

chain nodes :

7 14

ring nodes :

1 2 3 4 5 6 8 9 10 11 12 13

chain bonds :

5-7 7-9

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13

exact/norm bonds :

5-7 7-9

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13

isolated ring systems :

containing 1 : 8 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:CLASS

Generic attributes :

14:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : 2 or more

Type of Ring System : Monocyclic

Element Count :

Node 14: Limited

C,C3

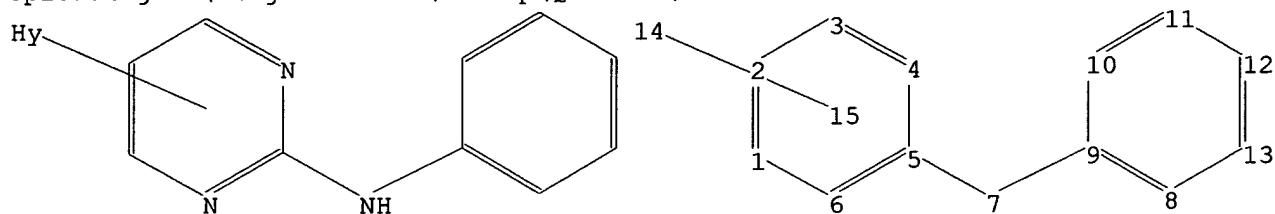
S,S1

N,N1

O,O0

=>

Uploading C:\Program Files\Stnexp\Queries\10810767.str



chain nodes :

7 14

ring nodes :

1 2 3 4 5 6 8 9 10 11 12 13

chain bonds :

5-7 7-9

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13

exact/norm bonds :

5-7 7-9

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13

isolated ring systems :

containing 1 : 8 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS

Generic attributes :

14:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : 2 or more

Type of Ring System : Monocyclic

Element Count :

Node 14: Limited

C,C3

S,S1

N,N1

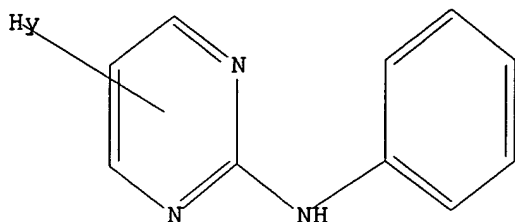
O,O0

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 15:16:28 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4435 TO ITERATE

45.1% PROCESSED 2000 ITERATIONS

31 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 84707 TO 92693

PROJECTED ANSWERS: 877 TO 1871

L2 31 SEA SSS SAM L1

=> => s l1 sss ful

FULL SEARCH INITIATED 15:18:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 90088 TO ITERATE

100.0% PROCESSED 90088 ITERATIONS

1186 ANSWERS

SEARCH TIME: 00.00.02

L3 1186 SEA SSS FUL L1

=> => s l3

L4 29 L3

=> d l4 1-29 bib,ab,hitstr

L4 ANSWER 1 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2006:318550 CAPLUS
 DN 144:370117
 TI Preparation of HIV inhibiting 5-heterocyclyl pyrimidines
 IN Guillemont, Jerome Emile Georges; Heeres, Jan; Lewi, Paulus Joannes
 PA Tibotec Pharmaceuticals Ltd., Ire.
 SO PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2006035067 | A2 | 20060406 | WO 2005-EP54930 | 20050929 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

PRAI EP 2004-104812 A 20040930

OS MARPAT 144:370117

AB HIV replication inhibitors I [-a1=a2-a3=a4- = -CH=CH-CH=CH-, -N=CH-CH=CH-,
 -N=CH-N=CH-, -N=CH-CH=N-, -N=N-CH=CH-; -b1=b2-b3=b4- = -CH=CH-CH=CH-,
 -N=CH-CH=CH-, -N=CH-N=CH-, -N=CH-CH=N-, -N=N-CH=CH-; R1 = H, aryl, formyl,
 alkylcarbonyl, etc.; R2 = OH, halo, (un)substituted alkyl, alkenyl, etc.;
 R2a = CN, (un)substituted amino, (un)substituted alkyl, etc.; X1 = NR1, O,
 C(O), CH2, CHOH, S, S(O)p; R3 = CN, amino, alkyl, etc.; R4 = halo, OH,
 (un)substituted alkyl, alkenyl, etc.; R5 = 5-6 membered completely unsatd.
 ring system wherein 1-4 ring members are N, O or S, which ring may
 optionally be substituted and may optionally be annelated with a benzene
 ring; Q = H, alkyl, halo, etc.; n, m = 0-4; p = 1-2; and N-oxides,
 pharmaceutically acceptable addition salts, quaternary amines or
 stereoisomeric forms thereof]. E.g., a multi-step synthesis of II,
 starting from 2,4-dichloro-5-nitropyrimidine and 4-(2-cyanoethenyl)-2,6-
 dimethylphenylamine, was given. The antiviral activity of the compds. I
 was evaluated in the presence of the wild type HIV and HIV mutants bearing
 mutations at the reverse transcriptase gene (data given). The invention
 also relates to the use of compds. I for the prevention or the treatment
 of HIV infection.

IT **882054-44-6P 882054-45-7P**

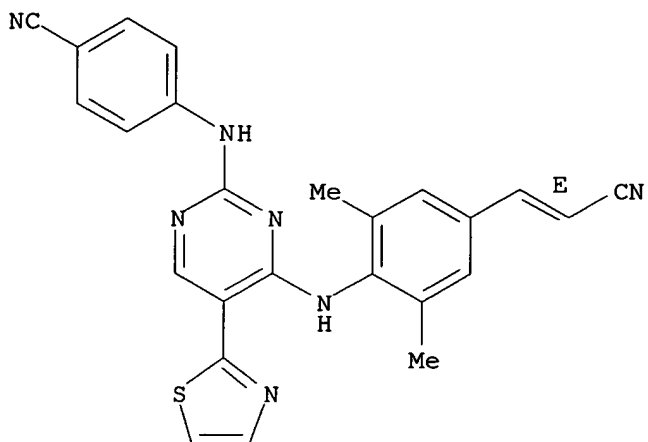
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of HIV inhibiting 5-heterocyclyl pyrimidines)

RN 882054-44-6 CAPLUS

CN Benzonitrile, 4-[[4-[[4-[(1E)-2-cyanoethenyl]-2,6-dimethylphenyl]amino]-5-
 (2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

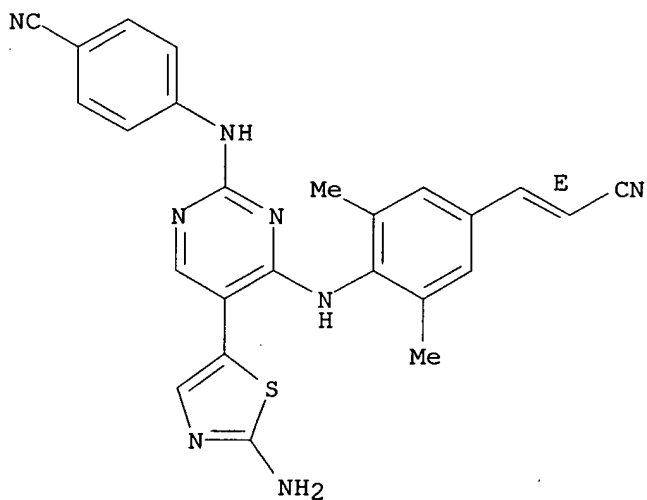
Double bond geometry as shown.



RN 882054-45-7 CAPLUS

CN Benzonitrile, 4-[[5-(2-amino-5-thiazolyl)-4-[[4-[(1E)-2-cyanoethenyl]-2,6-dimethylphenyl]amino]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L4 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:193566 CAPLUS

DN 144:267267

TI Method of treatment and compositions for a disease associated with antinuclear antibodies

IN Benigni, Ariela; Zoja, Carla; Remuzzi, Giuseppe; Giannella-Borradori, Athos

PA Cyclacel Limited, UK

SO PCT Int. Appl., 87 pp.

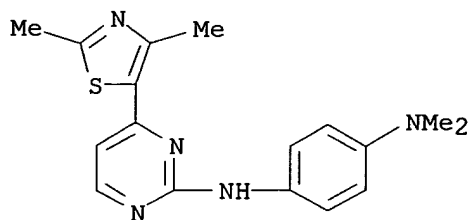
CODEN: PIXXD2

DT Patent

LA English

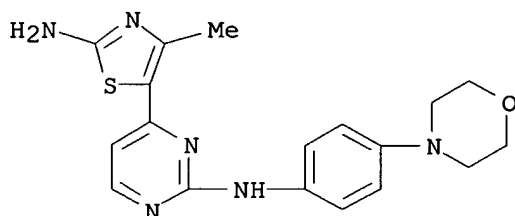
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2006021803 | A2 | 20060302 | WO 2005-GB3350 | 20050825 |
| | WO 2006021803 | A3 | 20060420 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| PRAI | GB 2004-19175 | A | 20040827 | | |
| | GB 2004-19176 | A | 20040827 | | |
| AB | The present invention relates to the use of an inhibitor of CDK2 and/or CDK7 and/or CDK9, or a pharmaceutically acceptable salt thereof, in the preparation of a medicament for treating a disease associated with antinuclear antibodies, wherein the inhibitor of CDK2 and/or CDK7 and/or CDK9 or pharmaceutically acceptable salt thereof is administered in an amount sufficient to down-regulate the levels of antinuclear antibodies. A further aspect of the invention relates to a combination comprising an inhibitor of CDK2 and/or CDK7 and/or CDK9, or a pharmaceutically acceptable salt thereof, and methylprednisolone, and its use in the treatment of diseases associated with antinuclear antibodies, such as systemic lupus erythematosus. Mice treated with CYC202 at the doses of 200 and 100 mg/kg survived significantly longer than vehicle-treated mice. | | | | |
| IT | 364334-88-3 693228-63-6 693229-59-3 851439-14-0 870780-24-8 870780-29-3 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (method of treatment and compns. for disease associated with antinuclear antibodies) | | | | |
| RN | 364334-88-3 CAPLUS | | | | |
| CN | 1,4-Benzenediamine, N'-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME) | | | | |



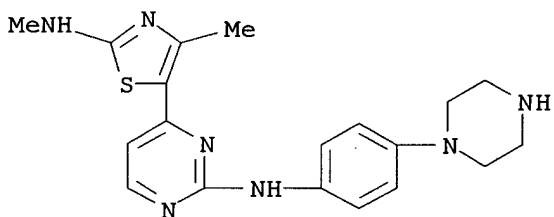
RN 693228-63-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



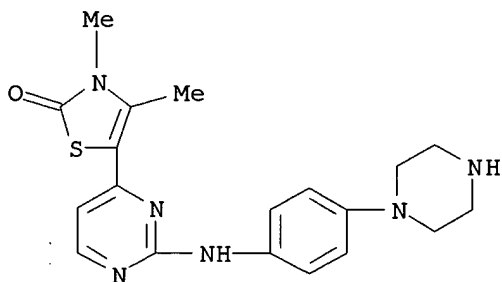
RN 693229-59-3 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



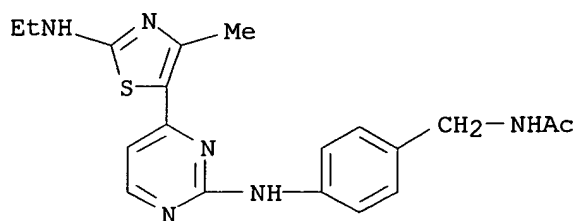
RN 851439-14-0 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(1-piperazinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



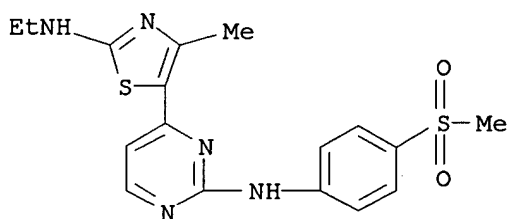
RN 870780-24-8 CAPLUS

CN Acetamide, N-[[4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 870780-29-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:183501 CAPLUS

DN 144:343077

TI Differential Binding of Inhibitors to Active and Inactive CDK2 Provides Insights for Drug Design

AU Kontopidis, George; McInnes, Campbell; Pandalaneni, Sravan R.; McNae, Iain; Gibson, Darren; Mezna, Mokdad; Thomas, Mark; Wood, Gavin; Wang, Shudong; Walkinshaw, Malcolm D.; Fischer, Peter M.

CS James Lindsay Place, Cyclacel Ltd., Dundee, DD1 5JJ, UK

SO Chemistry & Biology (Cambridge, MA, United States) (2006), 13(2), 201-211
CODEN: CBOLE2; ISSN: 1074-5521

PB Cell Press

DT Journal

LA English

AB The cyclin-dependent kinases (CDKs) have been characterized in complex with a variety of inhibitors, but the majority of structures solved are in the inactive form. We have solved the structures of six inhibitors in both the monomeric CDK2 and binary CDK2/cyclinA complexes and demonstrate that significant differences in ligand binding occur depending on the activation state. The binding mode of two ligands in particular varies substantially in active and inactive CDK2. Furthermore, energetic anal. of CDK2/cyclin/inhibitors demonstrates that a good correlation exists between the in vitro potency and the calculated energies of interaction, but no such relationship exists for CDK2/inhibitor structures. These results confirm that monomeric CDK2 ligand complexes do not fully reflect active conformations, revealing significant implications for inhibitor design while also suggesting that the monomeric CDK2 conformation can be selectively inhibited.

IT 364333-96-0 364334-88-3 507487-89-0

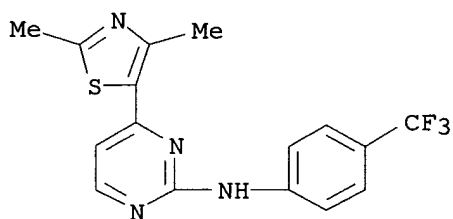
693228-63-6

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(differential binding of inhibitors to active and inactive CDK2 provides insights for drug design)

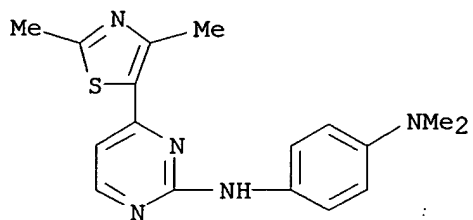
RN 364333-96-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



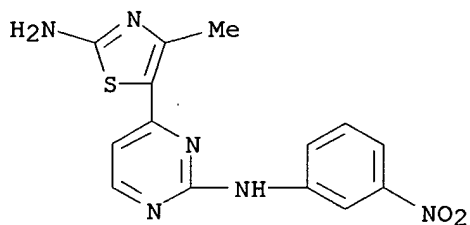
RN 364334-88-3 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



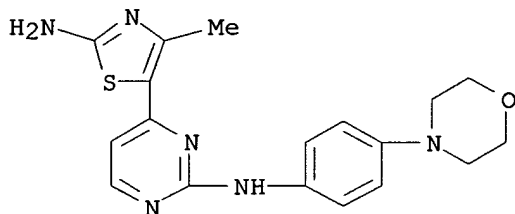
RN 507487-89-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)-
(9CI) (CA INDEX NAME)



RN 693228-63-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:1289100 CAPLUS
 DN 144:36367
 TI Preparation of 2-substituted 4-thiazolylpyrimidines as protein kinase inhibitors with improved solubility properties
 IN Wang, Shudong; Wood, Gavin; Duncan, Kenneth; Meades, Christopher; Gibson, Darron; Mclachlan, Janice; Fischer, Peter
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 216 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2005116025 | A2 | 20051208 | WO 2005-GB2134 | 20050526 |
| | WO 2005116025 | A3 | 20060223 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI GB 2004-11791 A 20040526

OS MARPAT 144:36367

AB The present invention relates to 2-substituted 4-thiazolylpyrimidines (shown as I; variables defined below; e.g. (3-methylsulfonylphenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine (shown as II)), their preparation, pharmaceutical compns. containing them and their use as inhibitors of ≥ 1 protein kinases, and hence their use in the treatment of proliferative disorders, viral disorders and/or other disorders. For I: 1 of X1 and X2 is S, and the other is N; Z is NH, NHCO, NHCOCH₂, NHSO₂, NHCH₂, CH₂, CH₂CH₂, CH:CH, O, S, SO₂, or SO; R1, R2, R3, R4, R5, R6, R7 and R8 = H, alkyl, alkyl-R9, aryl, aryl-R9, aralkyl, aralkyl-R9, halo, et al. or two of R4-R8 are linked to form a cyclic ether containing ≥ 1 oxygens; R9 = solubilizing group = mono, di- or polyhydroxylated alicyclic, di- or polyhydroxylated aliphatic or aromatic, carbohydrate derivative, O- and/or S-containing heterocyclic group, et al.; addnl.

details including provisos are given in the claims. Protein kinase inhibition properties of many I for many kinases are tabulated. Although the methods of preparation are not claimed, prepns. and/or characterization data for 220 examples of I are included. For example, [4-(2-tert-butylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methyl-3-nitrophenyl)amine was prepared by condensation of 1-(2-tert-butylamino-4-methylthiazol-5-yl)-3-dimethylaminopropenone and N-(4-methyl-3-nitrophenyl)guanidine nitrate. Compds. I are also claimed useful in an assay for identifying further candidate compds. capable of inhibiting various enzymes.

IT **870780-10-2P**, 1-[4-[3-[[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone
870780-83-9P, 1-[4-[4-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-

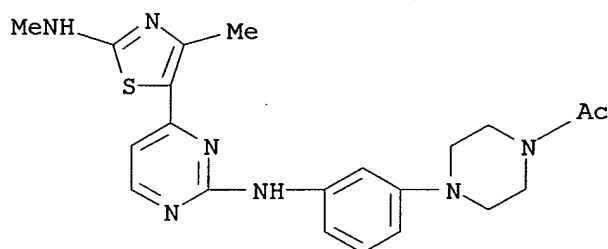
2-yl]amino]phenyl]piperazin-1-yl]ethanone **870780-84-0P**,
 1-[4-[4-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870781-42-3P**,
 N-[3-[[4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide

RL: BUU (Biological use, unclassified); PAC (Pharmacological activity);
 RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL
 (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES
 (Uses)

(drug candidate; preparation of 2-substituted 4-thiazolylpyrimidines as
 protein kinase inhibitors with improved solubility properties)

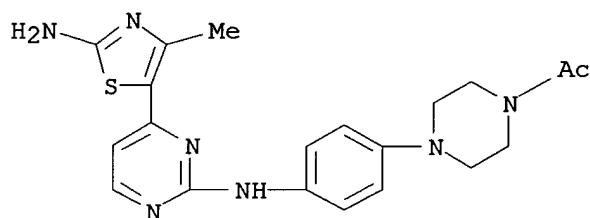
RN 870780-10-2 CAPLUS

CN Piperazine, 1-acetyl-4-[3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



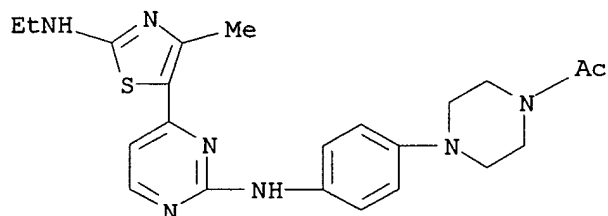
RN 870780-83-9 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



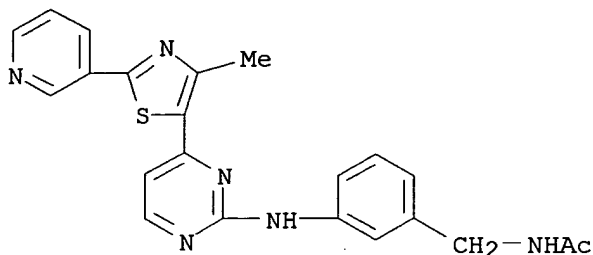
RN 870780-84-0 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 870781-42-3 CAPLUS

CN Acetamide, N-[[3-[[4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



IT **870780-07-7P**, [3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]acetic acid 2-methoxyethyl ester **870780-08-8P**, [4-(2-tert-Butylamino-4-methylthiazol-5-yl)pyrimidin-2-yl] (4-methyl-3-nitrophenyl)amine **870780-11-3P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (3-methylsulfonylphenyl)amine **870780-12-4P**, N-[3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]methanesulfonamide **870780-15-7P**, N-[3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]methanesulfonamide **870780-16-8P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl] [3-(piperazin-1-yl)phenyl]amine **870780-17-9P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] [3-(piperazin-1-yl)phenyl]amine **870780-18-0P**, N-[3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]benzamide **870780-19-1P**, N-[3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]-1,1,1-trifluoromethanesulfonamide **870780-20-4P**, N-[3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]-1,1,1-trifluoromethanesulfonamide **870780-23-7P**, N-[3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]-1,1,1-trifluoromethanesulfonamide **870780-24-8P**, N-[4-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]acetamide **870780-26-0P**, N-[4-[[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzyl]acetamide **870780-27-1P**, N-[4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]acetamide **870780-28-2P**, N-[4-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]acetamide **870780-29-3P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl] (4-methylsulfonylphenyl)amine **870780-30-6P**, 3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-31-7P**, 3-[[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-32-8P**, (4-Methylsulfonylphenyl) [4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **870780-33-9P**, N-Methyl-3-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-35-1P**, 3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-methylbenzenesulfonamide **870780-36-2P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl] (3,4,5-trimethoxyphenyl)amine **870780-37-3P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl] (3,4,5-trimethoxyphenyl)amine **870780-38-4P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (3,4,5-trimethoxyphenyl)amine **870780-39-5P**, 3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-methylbenzenesulfonamide **870780-40-8P**, (3-Methylsulfonylphenyl) [4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **870780-41-9P**, [4-(2-Ethylamino-4-methylthiazol-5-

yl)pyrimidin-2-yl] (3-methylsulfonylphenyl)amine **870780-42-0P**,
N-Ethyl-3-[[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-44-2P**, 3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-ethylbenzenesulfonamide **870780-45-3P**, N-Ethyl-3-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-46-4P**,
N-(3-Methoxyphenyl)-3-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-49-7P**, 3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-N-methylbenzenesulfonamide **870780-50-0P**, 4-[[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-51-1P**, 4-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-52-2P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-methyl-3-[(morpholin-4-yl)sulfonyl]phenyl]amine **870780-55-5P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl][4-methyl-3-[(morpholin-4-yl)sulfonyl]phenyl]amine **870780-56-6P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-methyl-3-[(morpholin-4-yl)sulfonyl]phenyl]amine **870780-57-7P**, 4-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-methoxyethyl)benzenesulfonamide **870780-58-8P**,
N-(2-Methoxyethyl)-4-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-59-9P**, 4-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-methoxyethyl)benzenesulfonamide **870780-60-2P**, (3-Bromo-4-methylphenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **870780-63-5P**, 4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-methoxyethyl)benzenesulfonamide **870780-64-6P**, [3-[[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]phenyl]acetic acid 2-methoxyethyl ester **870780-65-7P**, [3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]acetic acid 2-methoxyethyl ester **870780-66-8P**, 1-[4-[3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870780-67-9P**, [3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-5-hydroxymethylphenyl]methanol **870780-70-4P**, [3-Hydroxymethyl-5-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]phenyl]methanol **870780-71-5P**, N-[3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]methanesulfonamide **870780-72-6P**, (3-Bromophenyl)[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **870780-75-9P**, [4-(2-tert-Butylamino-4-methylthiazol-5-yl)pyrimidin-2-yl] (3-nitrophenyl)amine **870780-76-0P**, N,N-Diethyl-4-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-78-2P**, 3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-methoxyethyl)benzenesulfonamide **870780-80-6P**,
N-(2-Methoxyethyl)-3-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-81-7P**, 3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-methoxyethyl)benzenesulfonamide **870780-82-8P**, 3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-methoxyethyl)benzenesulfonamide **870780-85-1P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(piperazin-1-yl)phenyl]amine **870780-86-2P**, [4-(4-Benzylpiperazin-1-yl)phenyl][4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **870780-87-3P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(piperazin-1-yl)phenyl]amine **870780-88-4P**, [3-[[4-[[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]phenyl]sulfonyl]amino]phenyl]acetic acid ethyl ester **870780-90-8P**, N-Acetyl-3-[[4-(4-methyl-

2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide
870780-92-0P, N-Acetyl-3-[[4-(2-amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-93-1P**,
 4-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-hydroxyethyl)benzenesulfonamide **870780-95-3P**,
 4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-N-ethylbenzenesulfonamide **870780-97-5P**, N-(2-Hydroxyethyl)-4-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870780-98-6P**, 4-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-hydroxyethyl)benzenesulfonamide **870780-99-7P**,
 4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-hydroxyethyl)benzenesulfonamide **870781-00-3P**,
 3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-isopropylbenzenesulfonamide **870781-02-5P**, N-Benzyl-4-[[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870781-04-7P**, N-Benzyl-4-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870781-05-8P**,
 4-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-benzylbenzenesulfonamide **870781-06-9P**, N-Benzyl-4-[[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870781-07-0P**, 3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-hydroxyethyl)benzenesulfonamide **870781-09-2P**,
 N-(2-Hydroxyethyl)-3-[[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870781-10-5P**, 3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-hydroxyethyl)benzenesulfonamide **870781-11-6P**,
 3-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-hydroxyethyl)benzenesulfonamide **870781-13-8P**,
 N-Benzyl-3-[[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonamide **870781-15-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl][3-(morpholin-4-yl)sulfonyl]phenyl]amine **870781-17-2P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-methyl-3-(morpholin-4-yl)sulfonyl]phenyl]amine **870781-18-3P**, 3-[[4-[2-(2-Methoxyethylamino)-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]benzenesulfonamide **870781-20-7P**,
 3-[[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-N-(2-hydroxy-1,1-dimethylethyl)benzenesulfonamide **870781-29-6P**,
 (3-Aminomethylphenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **870781-30-9P**, Pyridine-2-carboxylic acid N-[3-[[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amino]benzyl]amide **870781-39-8P**, [4-[2-(2-Ethylpyridin-4-yl)-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-41-2P**,
 [4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-43-4P**, 4-[[4-[2-(2-Ethylpyridin-4-yl)-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]-N-(2-hydroxyethyl)benzenesulfonamide **870781-44-5P**,
 N-[4-[[4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide **870781-45-6P**,
 N-[4-[[4-[2-(2-Ethylpyridin-4-yl)-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide **870781-46-7P**, N-[3-[[4-[2-(2-Ethylpyridin-4-yl)-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide **870781-47-8P**, [4-[4-Methyl-2-(6-methylpyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-49-0P**, [4-[2-[3-(2-Methoxyethoxy)-5-trifluoromethylpyridin-2-yl]-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-51-4P**, N-[3-[[4-[4-Methyl-2-(6-methylpyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide

870781-52-5P, N-[3-[[4-[2-(3-Chloro-5-trifluoromethylpyridin-2-yl)-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide
870781-54-7P, N-(2-Methoxyethyl)-4-[[4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amino]benzenesulfonamide
870781-56-9P, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methoxy-2-methylphenyl)amine **870781-58-1P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](4-methoxy-2-methylphenyl)amine **870781-59-2P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](5-methoxy-2-methylphenyl)amine **870781-61-6P**, [4-(4-Benzylpiperazin-1-yl)phenyl][4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **870781-62-7P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](5-methoxy-2-methylphenyl)amine **870781-63-8P**, (3-Aminomethylphenyl)[4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amine **870781-64-9P**, [4-[2-[(Benzyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-66-1P**, N-[3-[[4-[2-[(Benzyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide **870781-67-2P**, 1-[4-[4-[[4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870781-68-3P**, [4-[2-[(Ethyl)(methyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-70-7P**, [4-(2,6-Dimethylmorpholin-4-yl)phenyl][4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **870781-72-9P**, 1-[4-[4-[[4-[2-[(Benzyl)(methyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870781-74-1P**, [4-[2-[(3,5-Dichlorophenyl)(methyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-76-3P**, [4-[2-[(4-Chlorophenyl)(methyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-78-5P**, N-[3-[[4-[2-[(3,5-Dichlorophenyl)(methyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide **870781-79-6P**, [3,5-Dichloro-4-(morpholin-4-yl)phenyl][4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amine **870781-81-0P**, [3-Chloro-4-(morpholin-4-yl)phenyl][4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amine **870781-82-1P**, [3-Chloro-4-(morpholin-4-yl)phenyl][4-[2-[(3,5-dichlorophenyl)(methyl)amino]-4-methylthiazol-5-yl]pyrimidin-2-yl]amine **870781-83-2P**, [4-[4-Methyl-2-(thiophen-2-yl)thiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-84-3P**, N-[3-[[4-[4-Methyl-2-(thiophen-2-yl)thiazol-5-yl]pyrimidin-2-yl]amino]benzyl]acetamide **870781-85-4P**, 1-[4-[4-[[4-[4-Methyl-2-(thiophen-2-yl)thiazol-5-yl]pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870781-86-5P**, [5-[2-[(4-Dimethylaminophenyl)amino]pyrimidin-4-yl]-4-methylthiazol-2-yl]methanol **870781-89-8P**, [3,5-Dichloro-4-(morpholin-4-yl)phenyl][4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **870781-90-1P**, [3-Chloro-4-(morpholin-4-yl)phenyl][4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **870781-91-2P**, [4-(4,2'-Dimethyl-[2,4']bithiazolyl-5-yl)pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-93-4P**, [3-Chloro-4-(morpholin-4-yl)phenyl][4-(4,2'-dimethyl-[2,4']bithiazolyl-5-yl)pyrimidin-2-yl]amine **870781-94-5P**, [3,5-Dichloro-4-(morpholin-4-yl)phenyl][4-(4,2'-dimethyl-[2,4']bithiazolyl-5-yl)pyrimidin-2-yl]amine **870781-95-6P**, [4-[4-Methyl-2-[(thien-2-yl)sulfonyl]methyl]thiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870781-97-8P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][2-methyl-4-(morpholin-4-yl)phenyl]amine **870781-99-0P**, [4-[2-(2,4-Dimethylphenyl)-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870782-01-7P**, [3-Chloro-4-(morpholin-4-yl)phenyl][4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **870782-02-8P**,

[3,5-Dichloro-4-(morpholin-4-yl)phenyl][4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **870782-03-9P**, [4-(2-tert-Butylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870782-04-0P**, [4-[2-(2-Methoxyethylamino)-4-methylthiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870782-05-1P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl][2-methyl-4-(morpholin-4-yl)phenyl]amine **870782-06-2P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][2-methyl-4-(morpholin-4-yl)phenyl]amine **870782-07-3P**, [4-[4-Methyl-2-[4-(morpholin-4-yl)phenyl]thiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870782-09-5P**, 1-[4-[4-[4-[4-Methyl-2-[4-(morpholin-4-yl)phenyl]thiazol-5-yl]pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870782-10-8P**, N'-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-N-methyl-2-trifluoromethylbenzene-1,4-diamine **870782-12-0P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][3-[(morpholin-4-yl)methyl]phenyl]amine **870782-14-2P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-2-[(morpholin-4-yl)methyl]phenol **870782-16-4P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][3-(morpholin-4-yl)phenyl]amine **870782-18-6P**, [4-[4-Methyl-2-[(methyl)(pyridin-3-yl)amino]thiazol-5-yl]pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870782-20-0P**, [4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl](3,4,5-trimethoxyphenyl)amine **870782-21-1P**, (3,5-Dimethoxyphenyl)[4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amine **870782-22-2P**, [3-Methoxy-4-(morpholin-4-yl)phenyl][4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amine **870782-24-4P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][3-methoxy-4-(morpholin-4-yl)phenyl]amine **870782-25-5P**, [4-(4-Methyl-2-phenethylaminothiazol-5-yl)pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870782-27-7P**, (3,5-Dimethoxyphenyl)[4-(4-methyl-2-phenethylaminothiazol-5-yl)pyrimidin-2-yl]amine **870782-28-8P**, (3,5-Dimethoxyphenyl)[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **870782-29-9P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3,5-dimethoxyphenyl)amine **870782-30-2P**, 1-[4-[4-[4-(4-Methyl-2-phenethylaminothiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870782-31-3P**, 1-[4-[4-[4-(4-Methyl-2-[(methyl)(pyridin-3-yl)amino]thiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870782-32-4P**, [4-(4-Methyl-2-phenethylaminothiazol-5-yl)pyrimidin-2-yl](3,4,5-trimethoxyphenyl)amine **870782-33-5P**, [4-(4-Benzylpiperazin-1-yl)phenyl][4-(4-methyl-2-phenethylaminothiazol-5-yl)pyrimidin-2-yl]amine **870782-34-6P**, [4-(4-Methyl-2-phenylaminothiazol-5-yl)pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **870782-36-8P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3,4,5-trimethoxyphenyl)amine **870782-37-9P**, [4-(2,6-Dimethylmorpholin-4-yl)phenyl][4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **870782-38-0P**, (3,5-Dimethoxyphenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **870782-39-1P**, (3,5-Dimethoxyphenyl)[4-(4-methyl-2-phenylaminothiazol-5-yl)pyrimidin-2-yl]amine **870782-40-4P**, 1-[4-[4-[4-(4-Methyl-2-phenylaminothiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]ethanone **870782-41-5P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][3-methoxy-4-(morpholin-4-yl)phenyl]amine **870782-42-6P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-[(morpholin-4-yl)methyl]phenyl]amine **870782-44-8P**, (3,5-Dimethoxyphenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **870782-45-9P**, [4-(4-Benzylpiperazin-1-yl)phenyl][4-(4-methyl-2-phenylaminothiazol-5-yl)pyrimidin-2-yl]amine **870782-51-7P**, [4-(2-Amino-4-

methylthiazol-5-yl)pyrimidin-2-yl][3-methoxy-4-(morpholin-4-yl)phenyl]amine **870782-53-9P**, (4-Methoxy-3-methylphenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **870782-55-1P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methoxy-3-methylphenyl)amine **870782-56-2P**, (4-Methoxy-3-methylphenyl)[4-(4-methyl-2-(pyridin-3-yl)thiazol-5-yl)pyrimidin-2-yl]amine **870782-57-3P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methoxy-3-methylphenyl)amine **870782-58-4P**, [4-Methyl-5-[2-[[4-(morpholin-4-yl)phenyl]amino]pyrimidin-4-yl]thiazol-2-yl]methanol **870782-59-5P**, 4-[4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazine-1-carboxylic acid ethyl ester **870782-61-9P**, 2-[4-[4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]-N-isopropylacetamide **870782-63-1P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl][4-(4-methylpiperazin-1-yl)phenyl]amine **870782-64-2P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-(piperidin-1-yl)phenyl]amine **870782-66-4P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(piperidin-1-yl)phenyl]amine **870782-67-5P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(piperidin-1-yl)phenyl]amine **870782-68-6P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(4-methylpiperazin-1-yl)phenyl]amine **870782-69-7P**, [4-Methyl-5-[2-[[4-(piperidin-1-yl)phenyl]amino]pyrimidin-4-yl]thiazol-2-yl]methanol **870782-70-0P**, [4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl][4-(pyrrolidin-1-yl)phenyl]amine **870782-72-2P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-(pyrrolidin-1-yl)phenyl]amine **870782-73-3P**, [5-[2-[[3-Methoxy-4-(morpholin-4-yl)phenyl]amino]pyrimidin-4-yl]-4-methylthiazol-2-yl]methanol **870782-74-4P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(4-thiomorpholinyl)phenyl]amine **870782-76-6P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-(4-thiomorpholinyl)phenyl]amine **870782-77-7P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][4-(4-thiomorpholinyl)phenyl]amine **870782-78-8P**, [4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl][4-(4-thiomorpholinyl)phenyl]amine **870782-79-9P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][3-methyl-4-(piperidin-1-yl)phenyl]amine **870782-81-3P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl][3-methyl-4-(piperidin-1-yl)phenyl]amine **870782-82-4P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl][3-methyl-4-(piperidin-1-yl)phenyl]amine **870782-83-5P**, [3-Methyl-4-(piperidin-1-yl)phenyl][4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amine **870782-84-6P**, [4-Methyl-5-[2-[[3-methyl-4-(piperidin-1-yl)phenyl]amino]pyrimidin-4-yl]thiazol-2-yl]methanol **870782-85-7P**, 5-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-2-(morpholin-4-yl)benzamide **870782-87-9P**, 5-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-2-(morpholin-4-yl)benzamide **870782-88-0P**, 5-[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]-2-(morpholin-4-yl)benzamide **870782-89-1P**, Cyclopropyl[4-[4-[[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]piperazin-1-yl]methanone **870782-91-5P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-methyl-3-(morpholin-4-yl)phenyl]amine **870782-93-7P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-methoxy-3-(morpholin-4-yl)methyl]phenyl]amine **870782-95-9P**, [5-[2-[[3-Methoxy-4-(piperidin-1-yl)phenyl]amino]pyrimidin-4-yl]-4-methylthiazol-2-yl]methanol **870782-97-1P**, [4-Methyl-5-[2-[[3-methyl-4-(morpholin-4-yl)phenyl]amino]pyrimidin-4-yl]thiazol-2-yl]methanol **870782-99-3P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl][3-methyl-4-(morpholin-4-yl)phenyl]amine **870783-00-9P**, [4-(2-Ethylamino-4-methylthiazol-5-

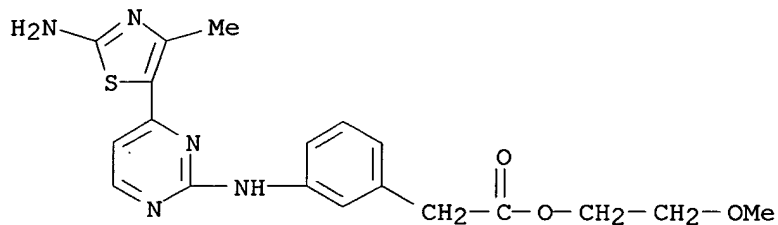
yl)pyrimidin-2-yl][3-methyl-4-(morpholin-4-yl)phenyl]amine
870783-01-0P, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][3-methyl-4-(morpholin-4-yl)phenyl]amine

RL: BUU (Biological use, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of 2-substituted 4-thiazolylpyrimidines as protein kinase inhibitors with improved solubility properties)

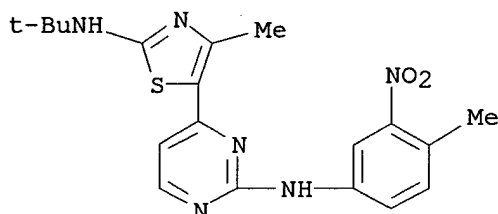
RN 870780-07-7 CAPLUS

CN Benzeneacetic acid, 3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



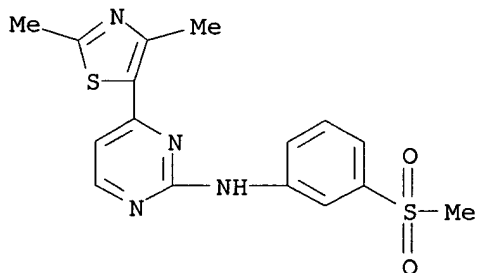
RN 870780-08-8 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(1,1-dimethylethyl)amino]-4-methyl-5-thiazolyl]-N-(4-methyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)



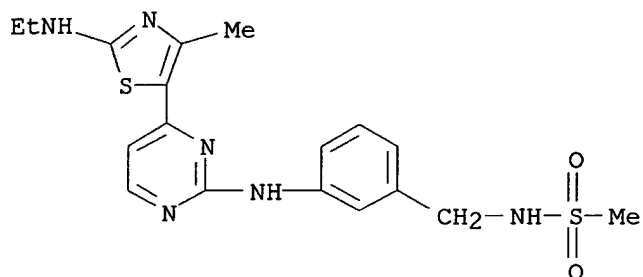
RN 870780-11-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



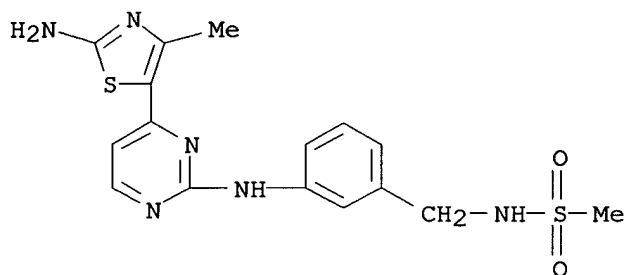
RN 870780-12-4 CAPLUS

CN Methanesulfonamide, N-[[3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



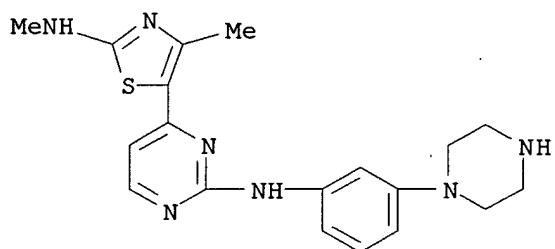
RN 870780-15-7 CAPLUS

CN Methanesulfonamide, N-[[3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



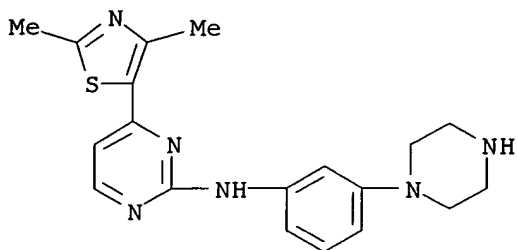
RN 870780-16-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[3-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



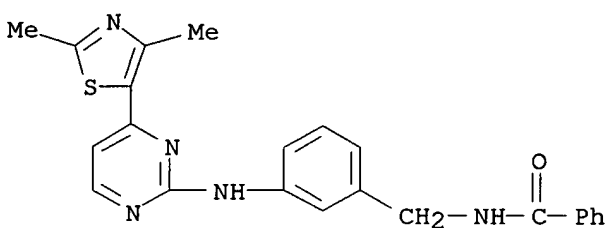
RN 870780-17-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



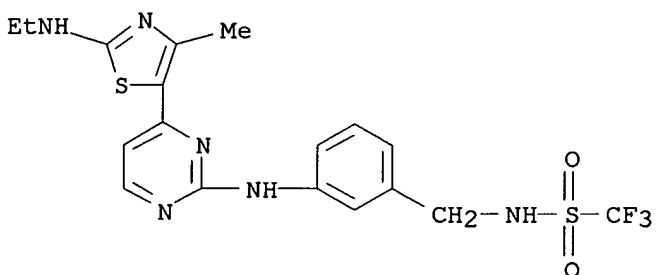
RN 870780-18-0 CAPLUS

CN Benzamide, N-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



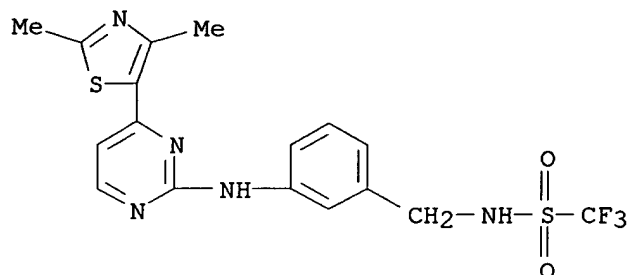
RN 870780-19-1 CAPLUS

CN Methanesulfonamide, N-[[3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]-1,1,1-trifluoro- (9CI) (CA INDEX NAME)



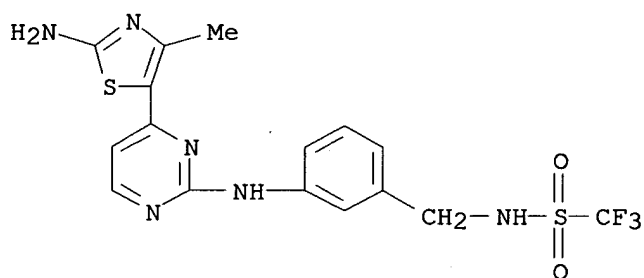
RN 870780-20-4 CAPLUS

CN Methanesulfonamide, N-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]-1,1,1-trifluoro- (9CI) (CA INDEX NAME)



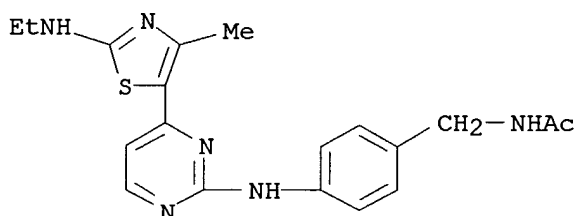
RN 870780-23-7 CAPLUS

CN Methanesulfonamide, N-[[3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]-1,1,1-trifluoro- (9CI) (CA INDEX NAME)



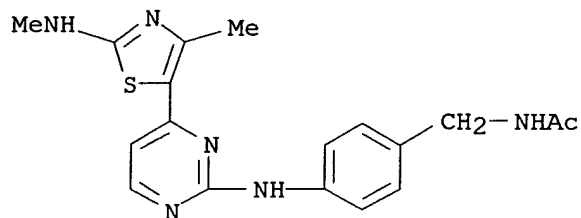
RN 870780-24-8 CAPLUS

CN Acetamide, N-[[4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



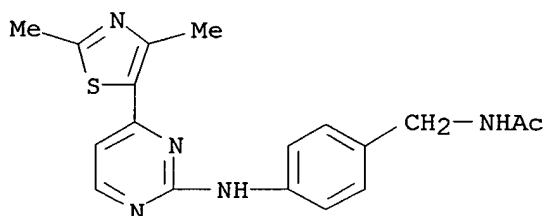
RN 870780-26-0 CAPLUS

CN Acetamide, N-[[4-[[4-[2-(methylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



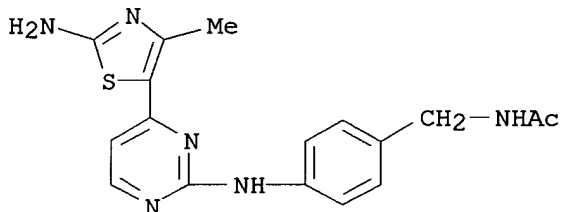
RN 870780-27-1 CAPLUS

CN Acetamide, N-[[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



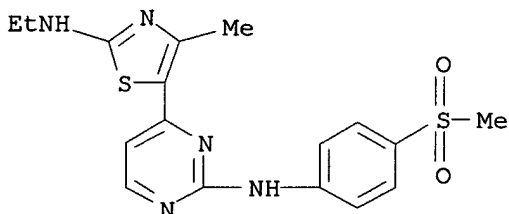
RN 870780-28-2 CAPLUS

CN Acetamide, N-[[4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 870780-29-3 CAPLUS

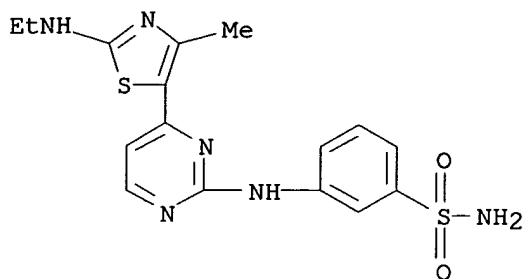
CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



RN 870780-30-6 CAPLUS

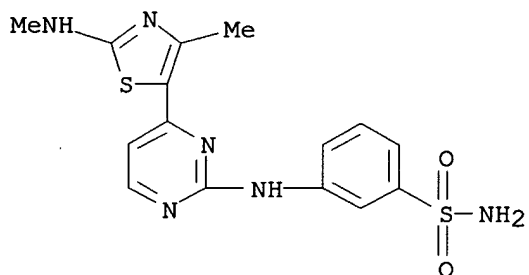
CN Benzenesulfonamide, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-

pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



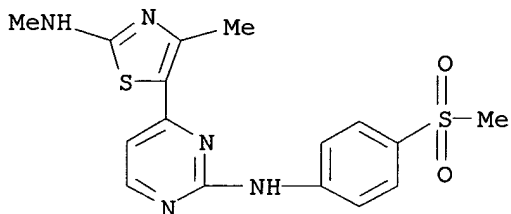
RN 870780-31-7 CAPLUS

CN Benzenesulfonamide, 3-[[4-[4-methyl-2-(methylanino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



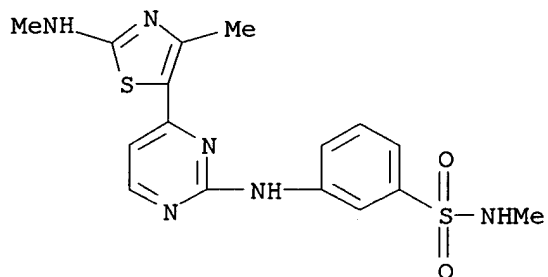
RN 870780-32-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylanino)-5-thiazolyl]-N-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



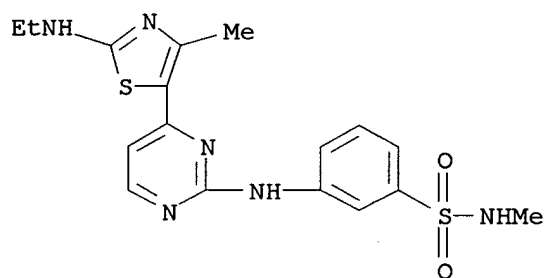
RN 870780-33-9 CAPLUS

CN Benzenesulfonamide, N-methyl-3-[[4-[4-methyl-2-(methylanino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



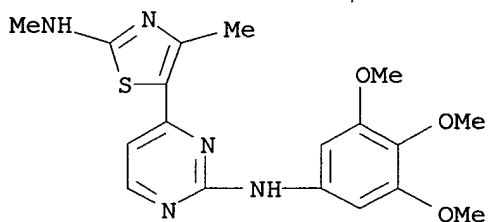
RN 870780-35-1 CAPLUS

CN Benzenesulfonamide, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-methyl- (9CI) (CA INDEX NAME)



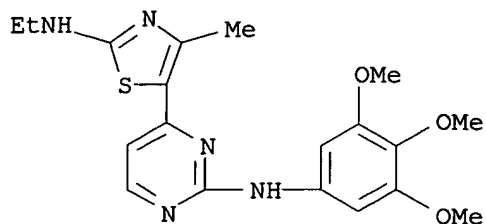
RN 870780-36-2 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



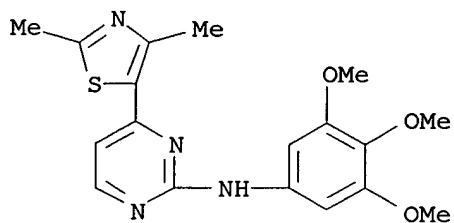
RN 870780-37-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



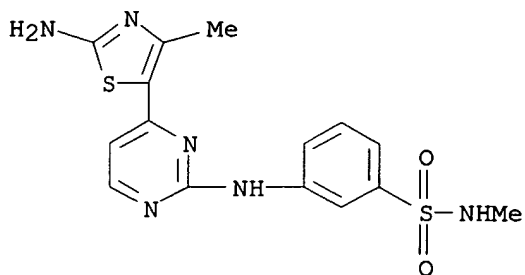
RN 870780-38-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3,4,5-trimethoxyphenyl)-
(9CI) (CA INDEX NAME)



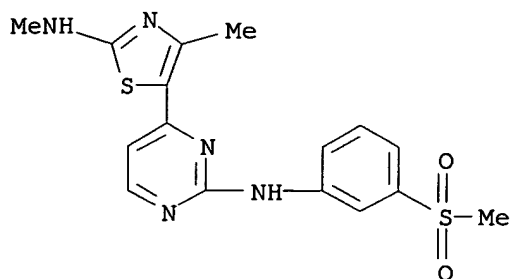
RN 870780-39-5 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-methyl- (9CI) (CA INDEX NAME)



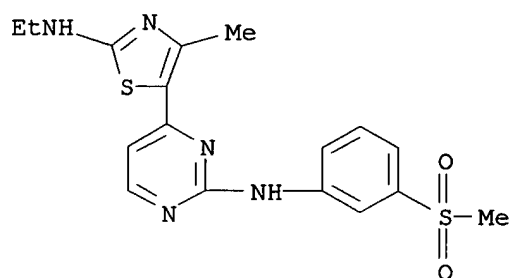
RN 870780-40-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[3-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



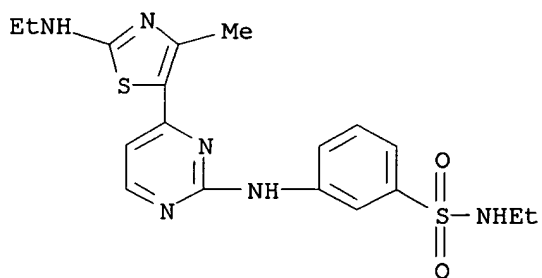
RN 870780-41-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[3-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



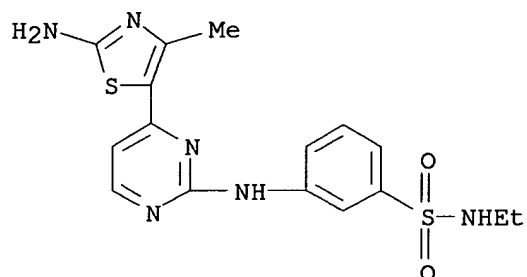
RN 870780-42-0 CAPLUS

CN Benzenesulfonamide, N-ethyl-3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



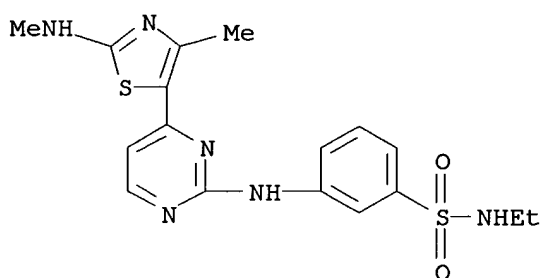
RN 870780-44-2 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-ethyl- (9CI) (CA INDEX NAME)



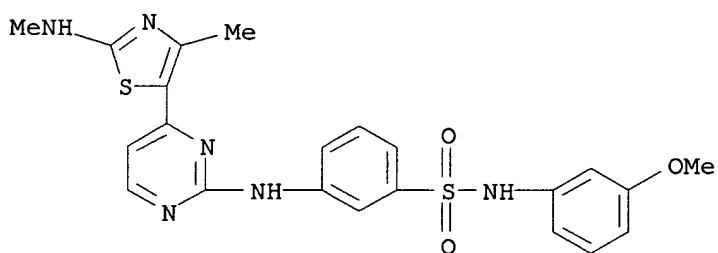
RN 870780-45-3 CAPLUS

CN Benzenesulfonamide, N-ethyl-3-[[4-[[4-methyl-2-(methyamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



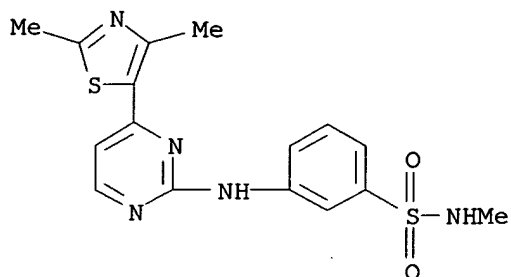
RN 870780-46-4 CAPLUS

CN Benzenesulfonamide, N-(3-methoxyphenyl)-3-[[4-[[4-methyl-2-(methyamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



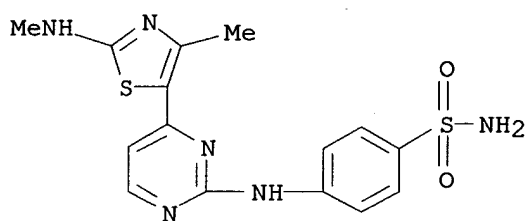
RN 870780-49-7 CAPLUS

CN Benzenesulfonamide, 3-[[4-[[4-methyl-2-(methyamino)-5-thiazolyl]-2-pyrimidinyl]amino]-N-methyl- (9CI) (CA INDEX NAME)



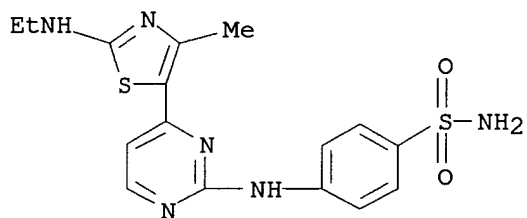
RN 870780-50-0 CAPLUS

CN Benzenesulfonamide, 4-[[4-[4-methyl-2-(methyamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



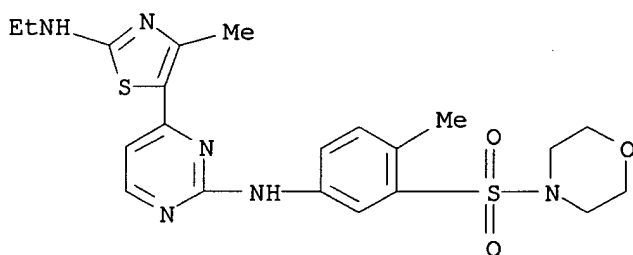
RN 870780-51-1 CAPLUS

CN Benzenesulfonamide, 4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



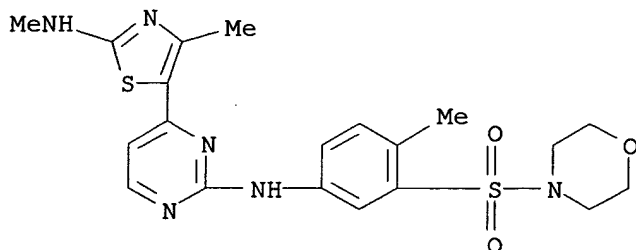
RN 870780-52-2 CAPLUS

CN Morpholine, 4-[[5-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-2-methylphenyl]sulfonyl]- (9CI) (CA INDEX NAME)



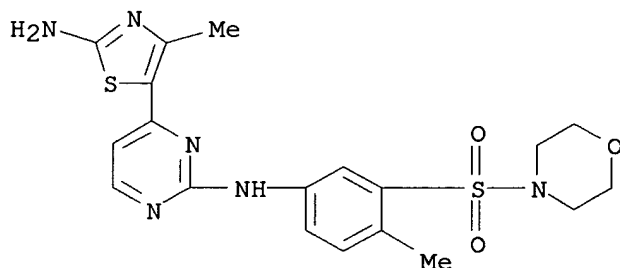
RN 870780-55-5 CAPLUS

CN Morpholine, 4-[[2-methyl-5-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



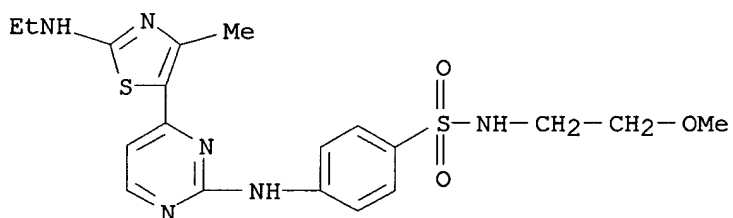
RN 870780-56-6 CAPLUS

CN Morpholine, 4-[[5-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-methylphenyl]sulfonyl]- (9CI) (CA INDEX NAME)



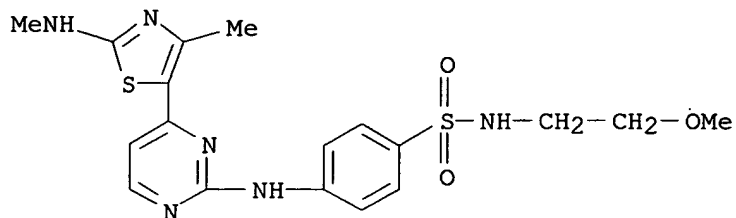
RN 870780-57-7 CAPLUS

CN Benzenesulfonamide, 4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



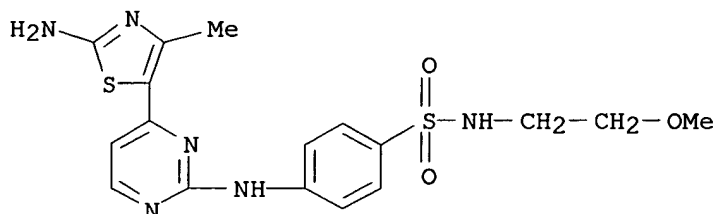
RN 870780-58-8 CAPLUS

CN Benzenesulfonamide, N-(2-methoxyethyl)-4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



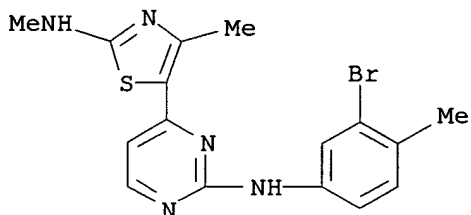
RN 870780-59-9 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



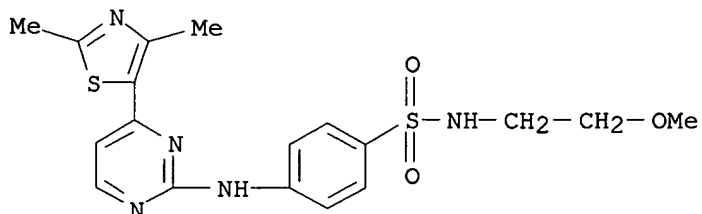
RN 870780-60-2 CAPLUS

CN 2-Pyrimidinamine, N-(3-bromo-4-methylphenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



RN 870780-63-5 CAPLUS

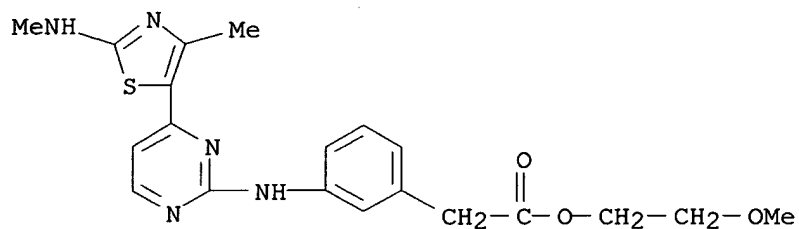
CN Benzenesulfonamide, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



RN 870780-64-6 CAPLUS

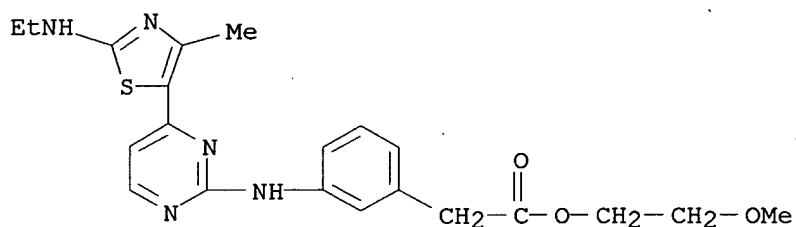
CN Benzeneacetic acid, 3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-

pyrimidinyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



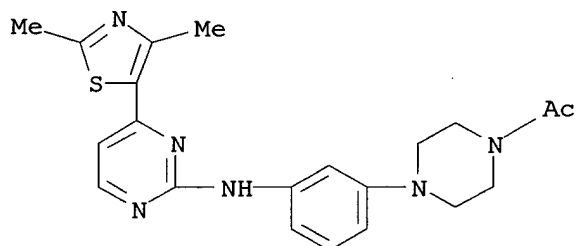
RN 870780-65-7 CAPLUS

CN Benzeneacetic acid, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



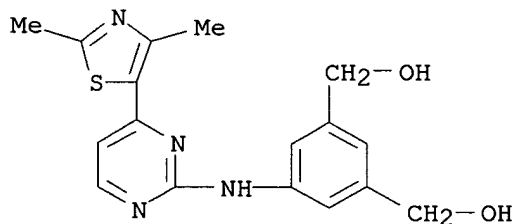
RN 870780-66-8 CAPLUS

CN Piperazine, 1-acetyl-4-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



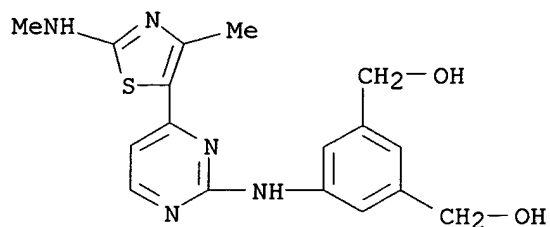
RN 870780-67-9 CAPLUS

CN 1,3-Benzenedimethanol, 5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



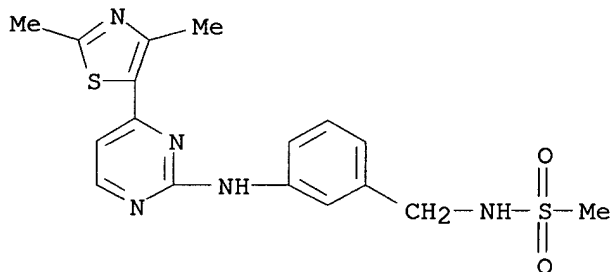
RN 870780-70-4 CAPLUS

CN 1,3-Benzenedimethanol, 5-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



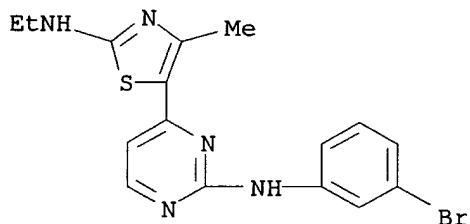
RN 870780-71-5 CAPLUS

CN Methanesulfonamide, N-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



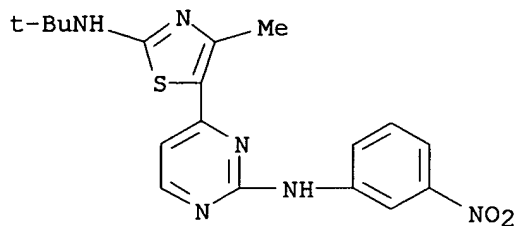
RN 870780-72-6 CAPLUS

CN 2-Pyrimidinamine, N-(3-bromophenyl)-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



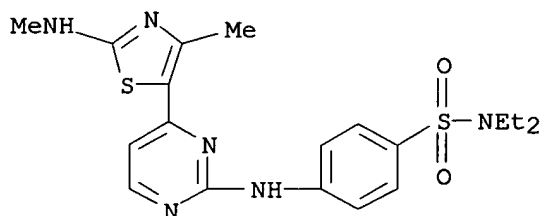
RN 870780-75-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(1,1-dimethylethyl)amino]-4-methyl-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



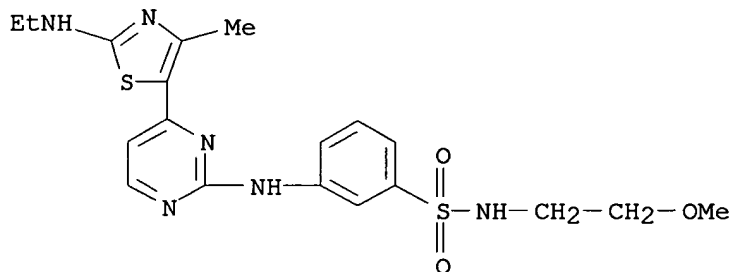
RN 870780-76-0 CAPLUS

CN Benzenesulfonamide, N,N-diethyl-4-[[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



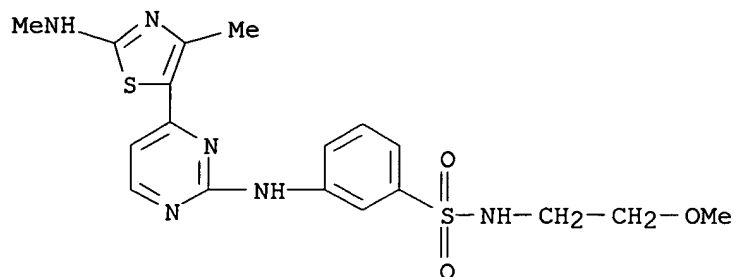
RN 870780-78-2 CAPLUS

CN Benzenesulfonamide, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



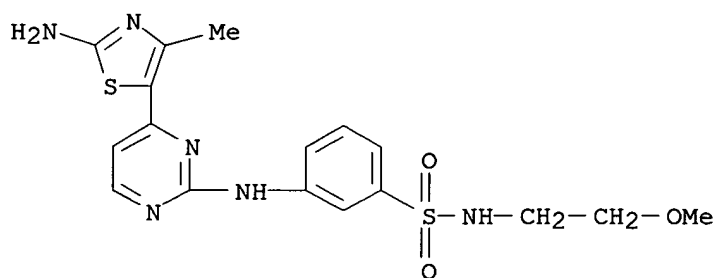
RN 870780-80-6 CAPLUS

CN Benzenesulfonamide, N-(2-methoxyethyl)-3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



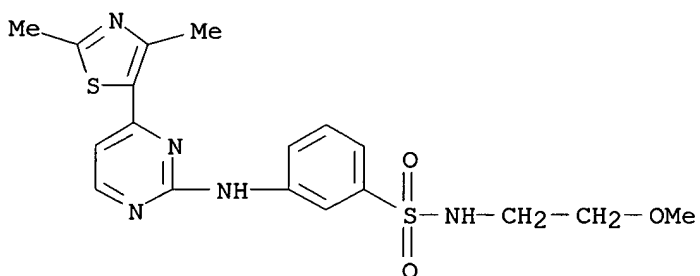
RN 870780-81-7 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



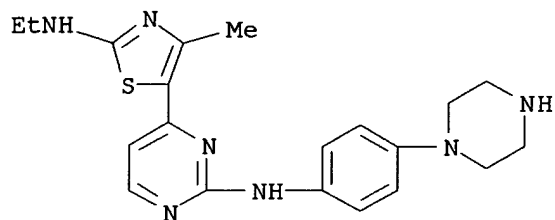
RN 870780-82-8 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



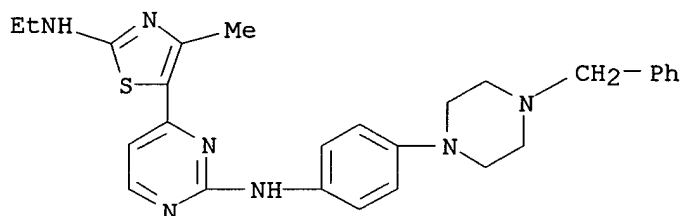
RN 870780-85-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



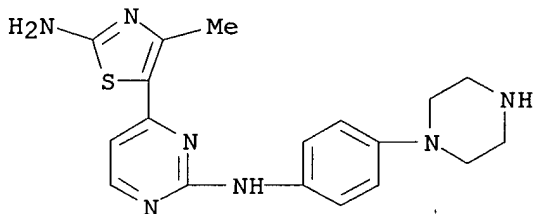
RN 870780-86-2 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-[4-(phenylmethyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



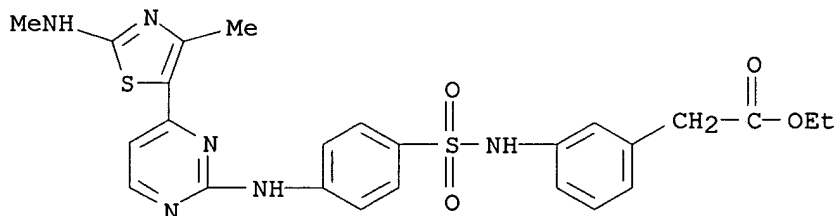
RN 870780-87-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(1-phenylmethyl)-1-piperazinyl]phenyl- (9CI) (CA INDEX NAME)



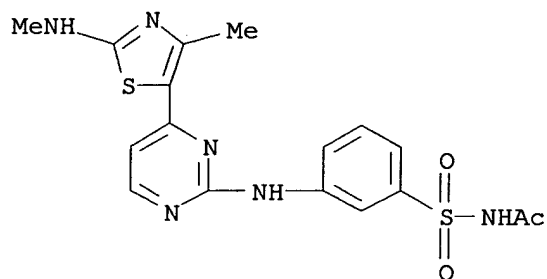
RN 870780-88-4 CAPLUS

CN Benzeneacetic acid, 3-[[[4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]sulfonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



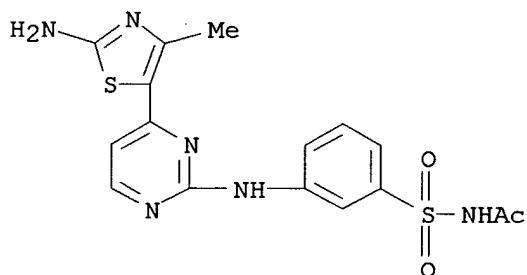
RN 870780-90-8 CAPLUS

CN Acetamide, N-[[3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



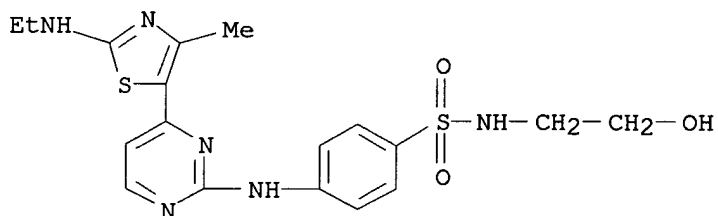
RN 870780-92-0 CAPLUS

CN Acetamide, N-[[3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



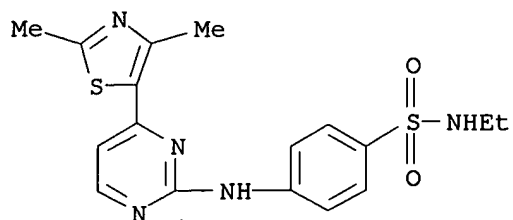
RN 870780-93-1 CAPLUS

CN Benzenesulfonamide, 4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



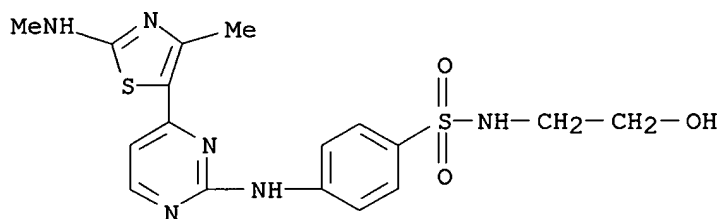
RN 870780-95-3 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-ethyl- (9CI) (CA INDEX NAME)



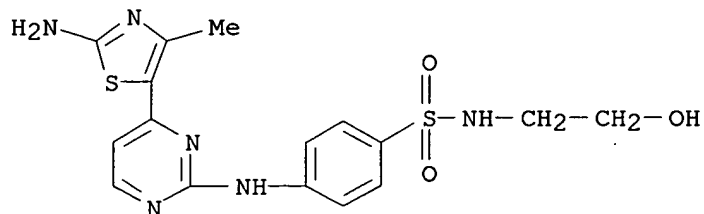
RN 870780-97-5 CAPLUS

CN Benzenesulfonamide, N-(2-hydroxyethyl)-4-[[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



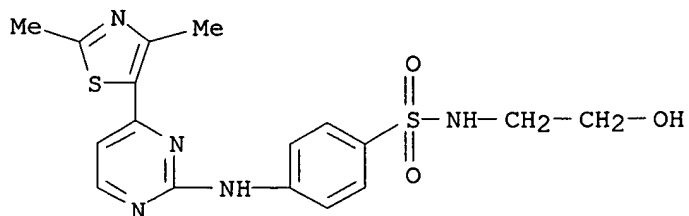
RN 870780-98-6 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 870780-99-7 CAPLUS

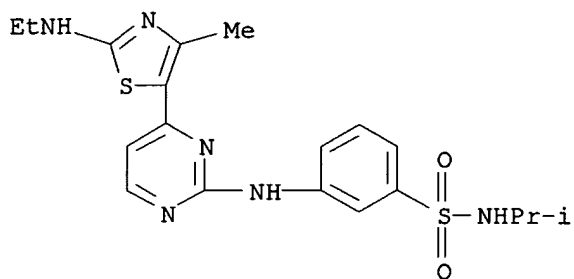
CN Benzenesulfonamide, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 870781-00-3 CAPLUS

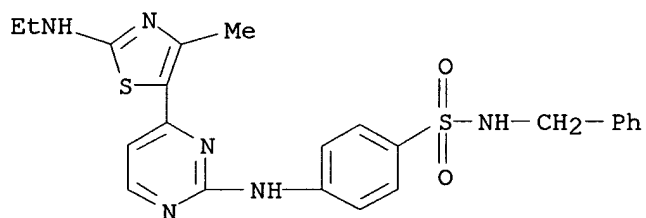
CN Benzenesulfonamide, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-

pyrimidinyl]amino]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



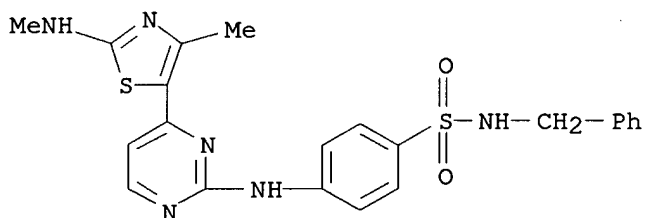
RN 870781-02-5 CAPLUS

CN Benzenesulfonamide, 4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



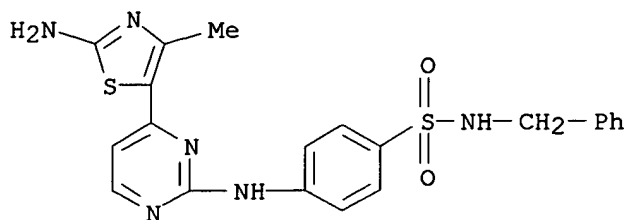
RN 870781-04-7 CAPLUS

CN Benzenesulfonamide, 4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



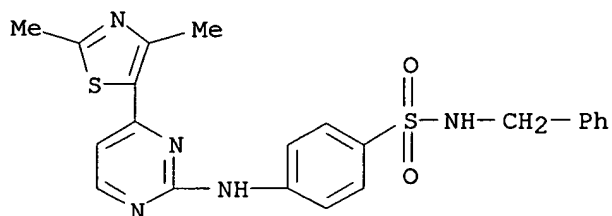
RN 870781-05-8 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



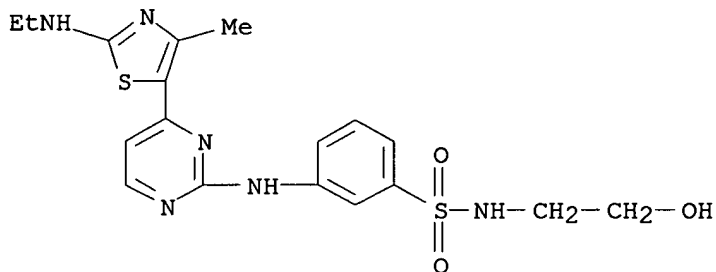
RN 870781-06-9 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



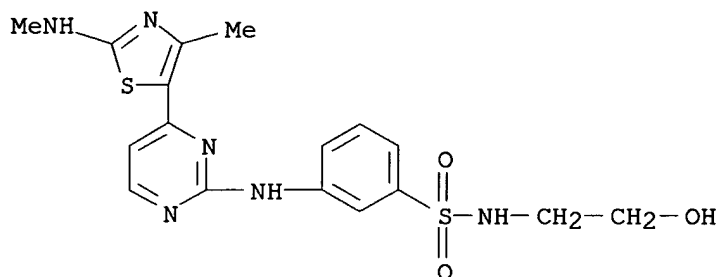
RN 870781-07-0 CAPLUS

CN Benzenesulfonamide, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



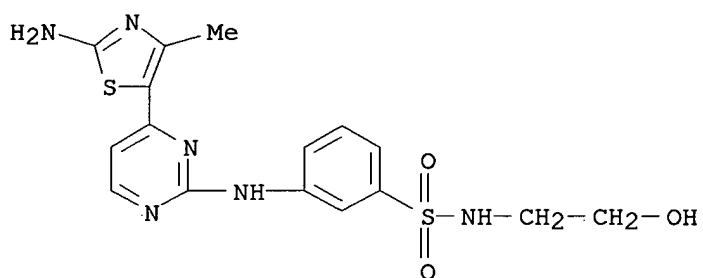
RN 870781-09-2 CAPLUS

CN Benzenesulfonamide, N-(2-hydroxyethyl)-3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



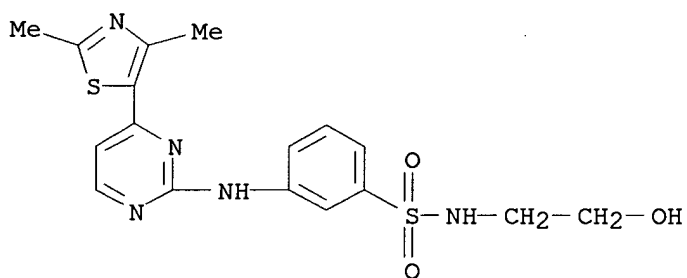
RN 870781-10-5 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



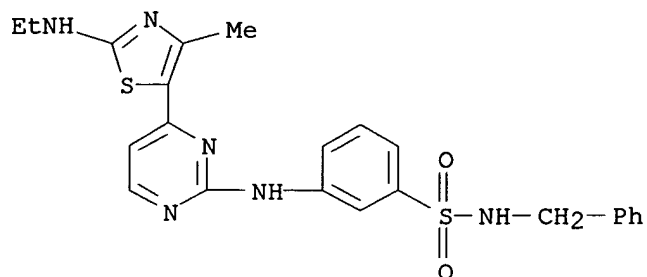
RN 870781-11-6 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



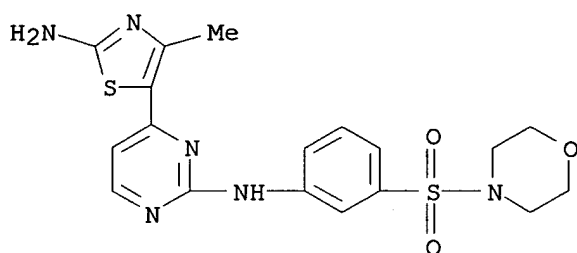
RN 870781-13-8 CAPLUS

CN Benzenesulfonamide, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



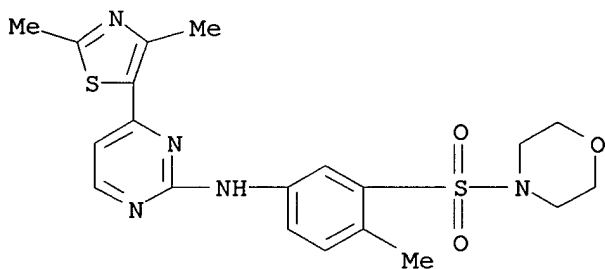
RN 870781-15-0 CAPLUS

CN Morpholine, 4-[[3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



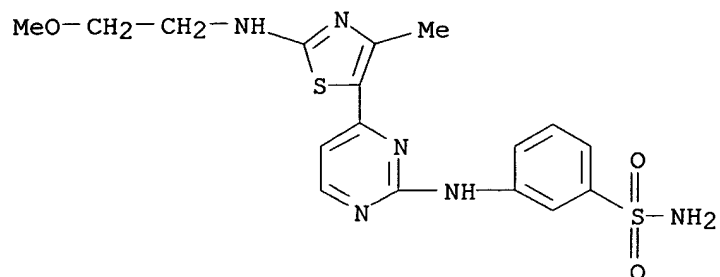
RN 870781-17-2 CAPLUS

CN Morpholine, 4-[[5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-methylphenyl]sulfonyl]- (9CI) (CA INDEX NAME)



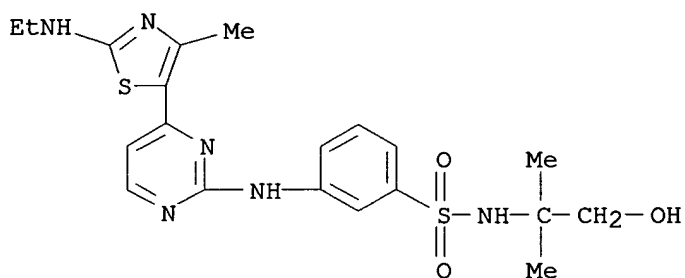
RN 870781-18-3 CAPLUS

CN Benzenesulfonamide, 3-[[4-[2-[(2-methoxyethyl)amino]-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



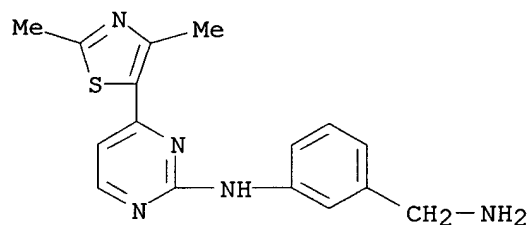
RN 870781-20-7 CAPLUS

CN Benzenesulfonamide, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(2-hydroxy-1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



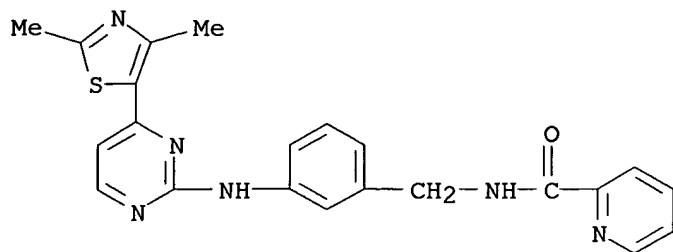
RN 870781-29-6 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



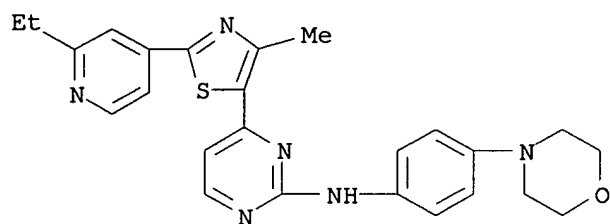
RN 870781-30-9 CAPLUS

CN 2-Pyridinecarboxamide, N-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



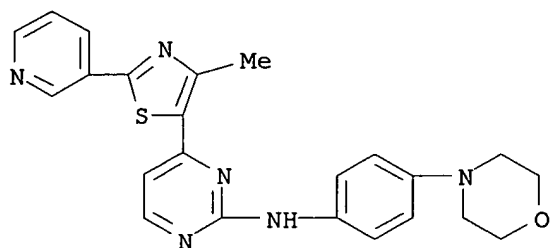
RN 870781-39-8 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(2-ethyl-4-pyridinyl)-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



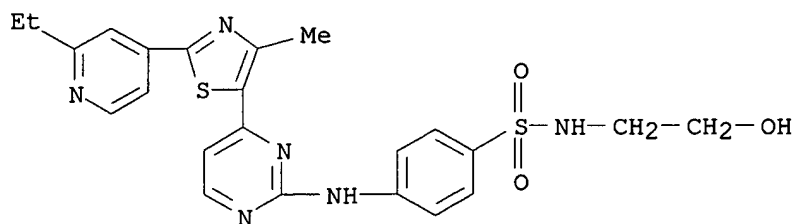
RN 870781-41-2 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



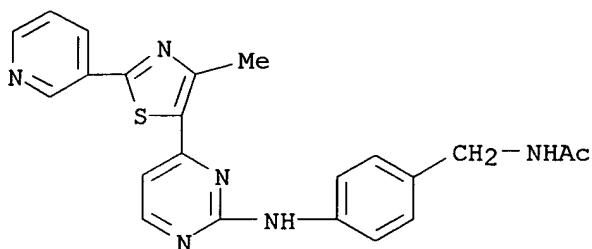
RN 870781-43-4 CAPLUS

CN Benzenesulfonamide, 4-[[4-[2-(2-ethyl-4-pyridinyl)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



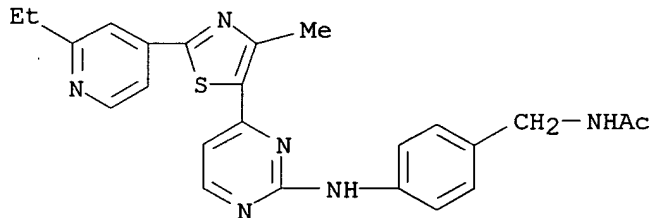
RN 870781-44-5 CAPLUS

CN Acetamide, N-[[4-[[4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



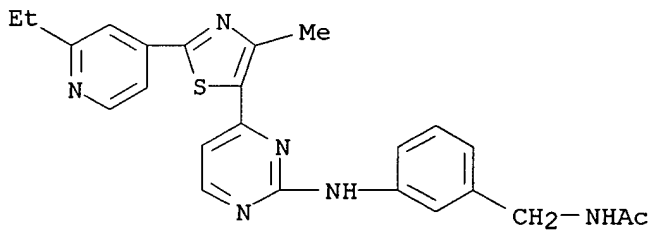
RN 870781-45-6 CAPLUS

CN Acetamide, N-[[4-[[4-[2-(2-ethyl-4-pyridinyl)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



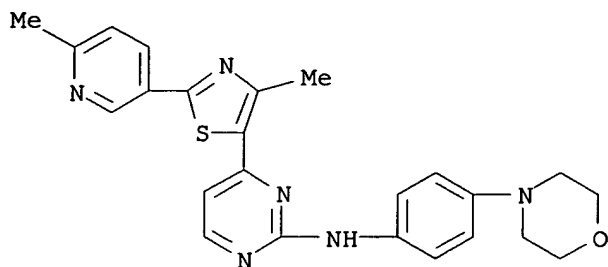
RN 870781-46-7 CAPLUS

CN Acetamide, N-[[3-[[4-[2-(2-ethyl-4-pyridinyl)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



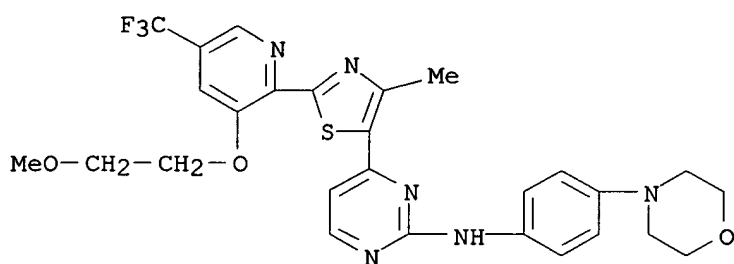
RN 870781-47-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(6-methyl-3-pyridinyl)-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



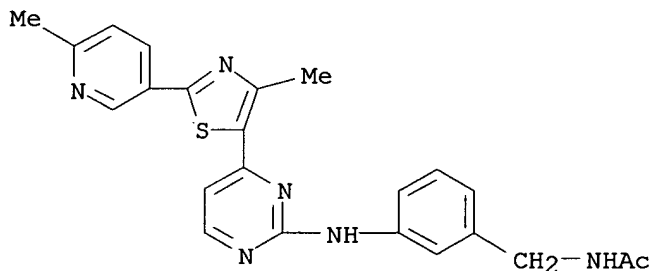
RN 870781-49-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[3-(2-methoxyethoxy)-5-(trifluoromethyl)-2-pyridinyl]-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



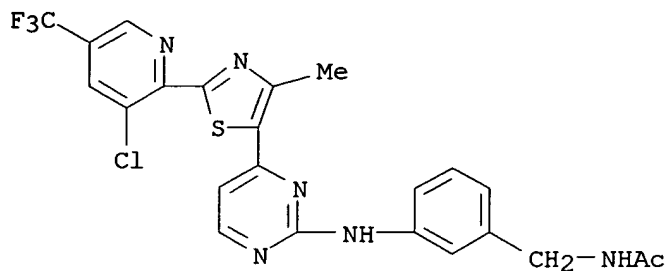
RN 870781-51-4 CAPLUS

CN Acetamide, N-[[3-[[4-[4-methyl-2-(6-methyl-3-pyridinyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



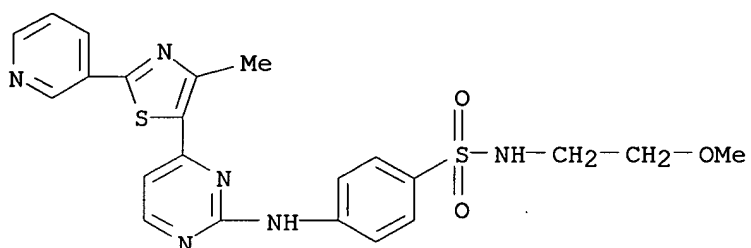
RN 870781-52-5 CAPLUS

CN Acetamide, N-[[3-[[4-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



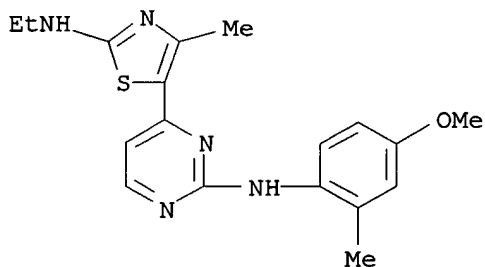
RN 870781-54-7 CAPLUS

CN Benzenesulfonamide, N-(2-methoxyethyl)-4-[[4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-2-pyrimidinyl]amino]-(9CI) (CA INDEX NAME)



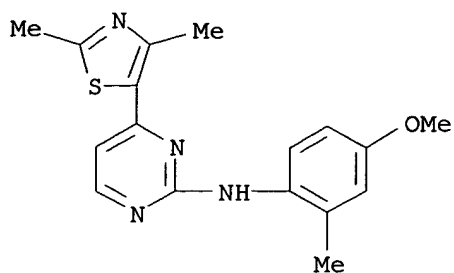
RN 870781-56-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(4-methoxy-2-methylphenyl)-(9CI) (CA INDEX NAME)



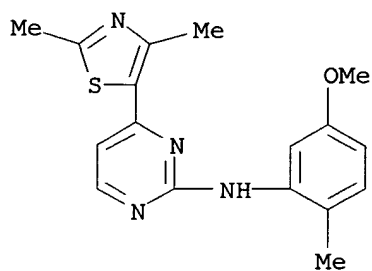
RN 870781-58-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-methoxy-2-methylphenyl)-(9CI) (CA INDEX NAME)



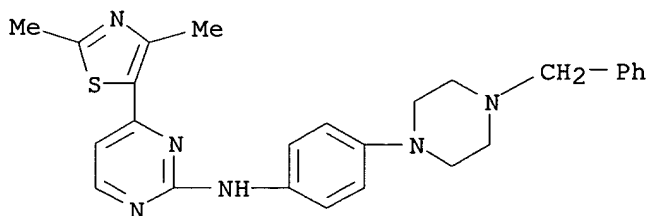
RN 870781-59-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(5-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)



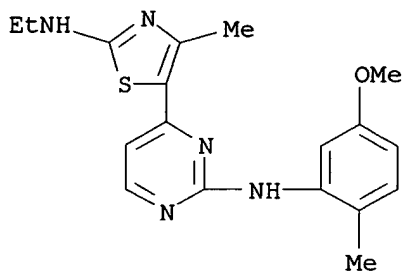
RN 870781-61-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(phenylmethyl)-1-piperazinyl]phenyl)- (9CI) (CA INDEX NAME)



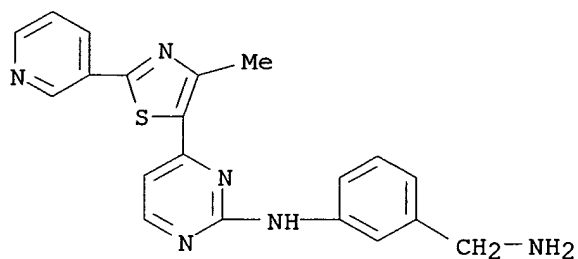
RN 870781-62-7 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(5-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)



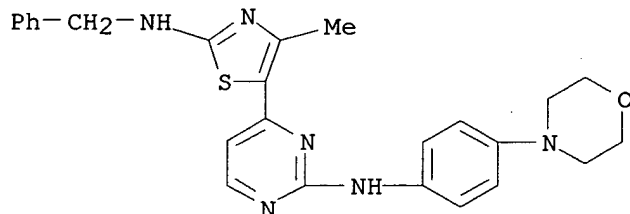
RN 870781-63-8 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



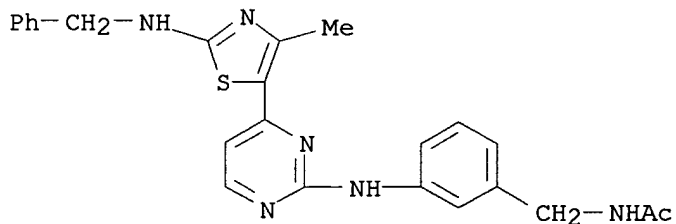
RN 870781-64-9 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-[(phenylmethyl)amino]-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



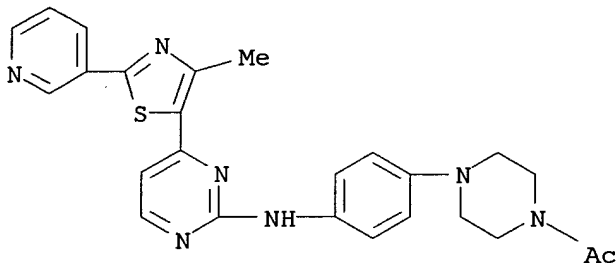
RN 870781-66-1 CAPLUS

CN Acetamide, N-[[3-[[4-[4-methyl-2-[(phenylmethyl)amino]-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



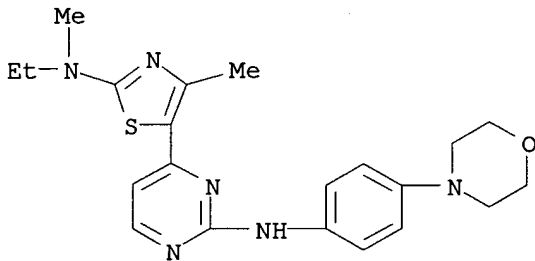
RN 870781-67-2 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



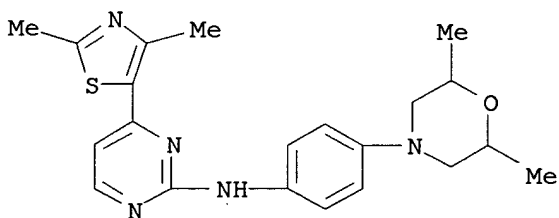
RN 870781-68-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylmethylamino)-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



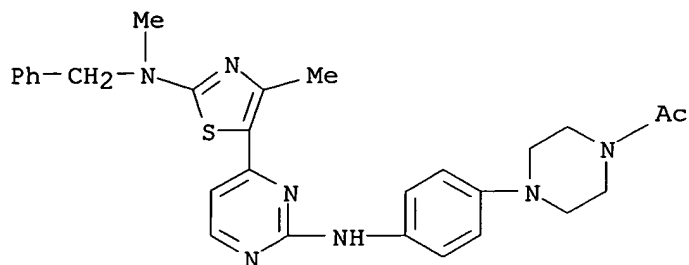
RN 870781-70-7 CAPLUS

CN 2-Pyrimidinamine, N-[4-(2,6-dimethyl-4-morpholinyl)phenyl]-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



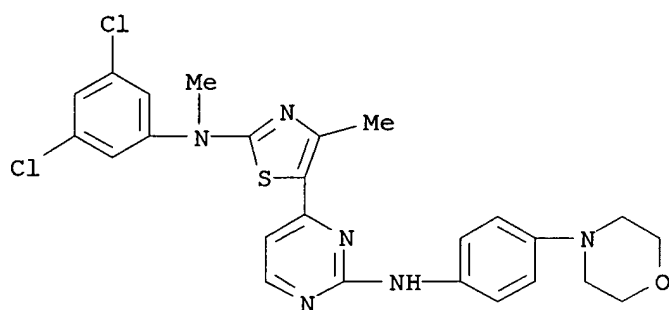
RN 870781-72-9 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-[methyl(phenylmethyl)amino]-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



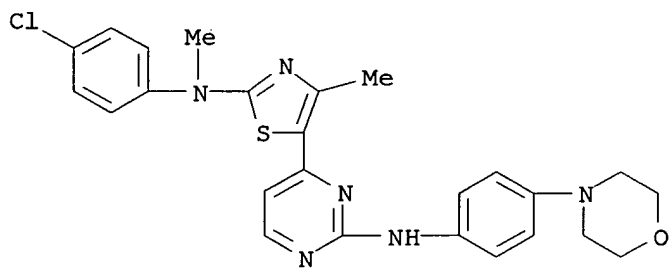
RN 870781-74-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(3,5-dichlorophenyl)methylamino]-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



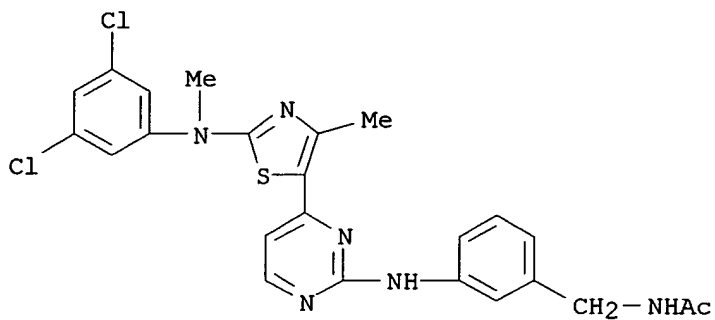
RN 870781-76-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(4-chlorophenyl)methylamino]-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



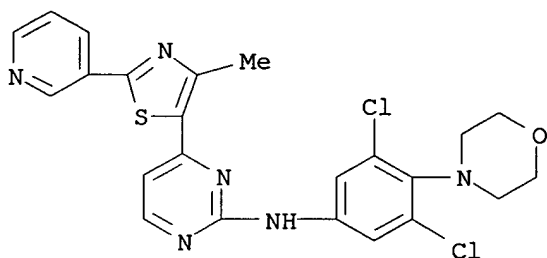
RN 870781-78-5 CAPLUS

CN Acetamide, N-[[[3-[[4-[2-[(3,5-dichlorophenyl)methylamino]-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



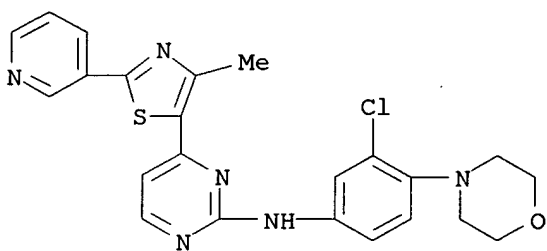
RN 870781-79-6 CAPLUS

CN 2-Pyrimidinamine, N-[3,5-dichloro-4-(4-morpholinyl)phenyl]-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



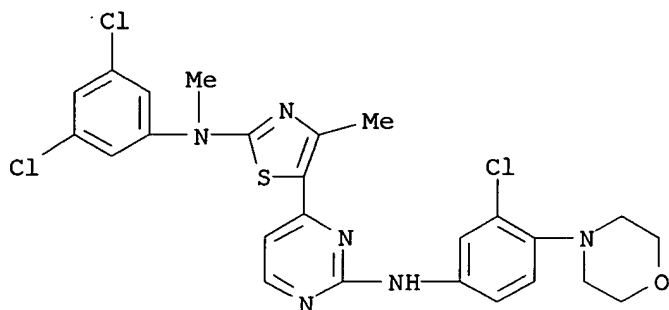
RN 870781-81-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-chloro-4-(4-morpholinyl)phenyl]-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



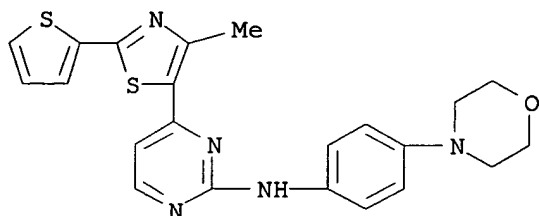
RN 870781-82-1 CAPLUS

CN 2-Pyrimidinamine, N-[3-chloro-4-(4-morpholinyl)phenyl]-4-[2-[(3,5-dichlorophenyl)methylamino]-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



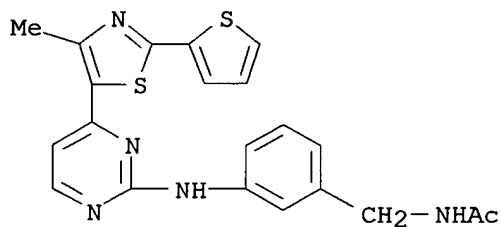
RN 870781-83-2 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(2-thienyl)-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



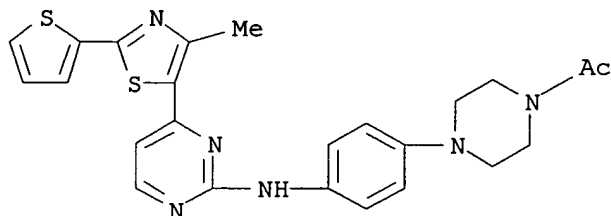
RN 870781-84-3 CAPLUS

CN Acetamide, N-[[[3-[[4-[4-methyl-2-(2-thienyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



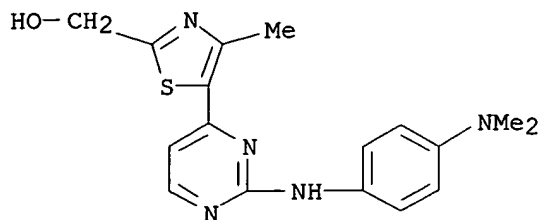
RN 870781-85-4 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-(2-thienyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



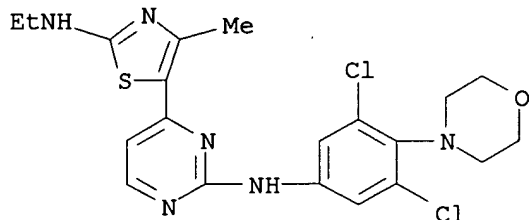
RN 870781-86-5 CAPLUS

CN 2-Thiazolemethanol, 5-[2-[[4-(dimethylamino)phenyl]amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



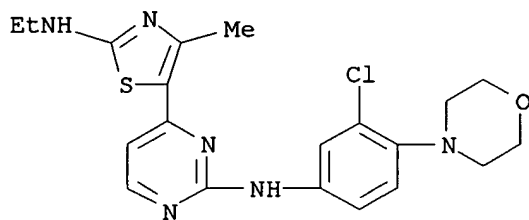
RN 870781-89-8 CAPLUS

CN 2-Pyrimidinamine, N-[3,5-dichloro-4-(4-morpholinyl)phenyl]-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



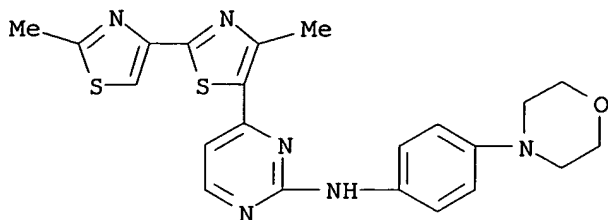
RN 870781-90-1 CAPLUS

CN 2-Pyrimidinamine, N-[3-chloro-4-(4-morpholinyl)phenyl]-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



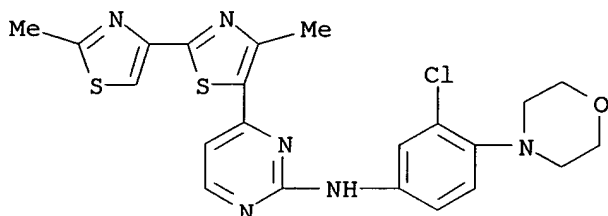
RN 870781-91-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2',4'-dimethyl[2,4'-bithiazol]-5-yl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



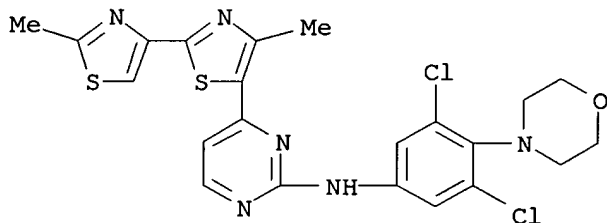
RN 870781-93-4 CAPLUS

CN 2-Pyrimidinamine, N-[3-chloro-4-(4-morpholinyl)phenyl]-4-(2',4-dimethyl[2,4'-bithiazol]-5-yl)- (9CI) (CA INDEX NAME)



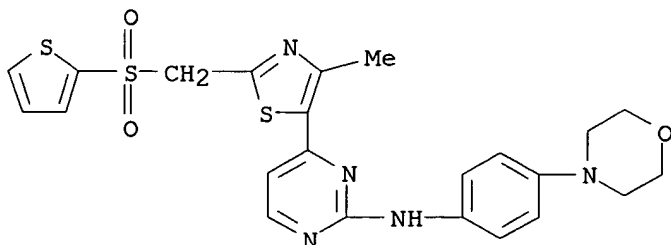
RN 870781-94-5 CAPLUS

CN 2-Pyrimidinamine, N-[3,5-dichloro-4-(4-morpholinyl)phenyl]-4-(2',4-dimethyl[2,4'-bithiazol]-5-yl)- (9CI) (CA INDEX NAME)



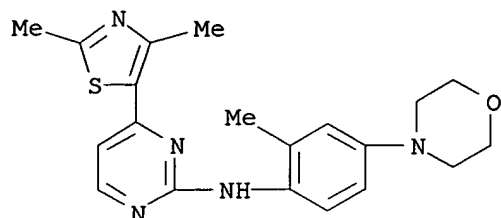
RN 870781-95-6 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-[(2-thienylsulfonyl)methyl]-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



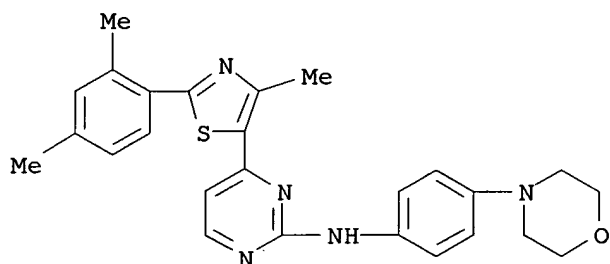
RN 870781-97-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[2-methyl-4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



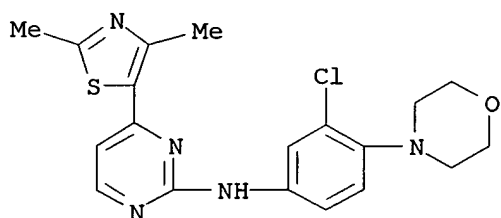
RN 870781-99-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(2,4-dimethylphenyl)-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



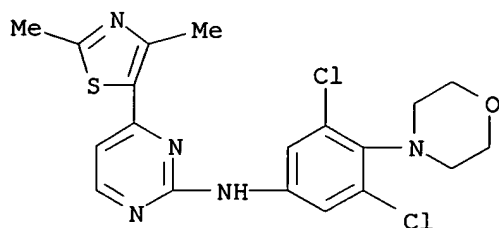
RN 870782-01-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-chloro-4-(4-morpholinyl)phenyl]-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



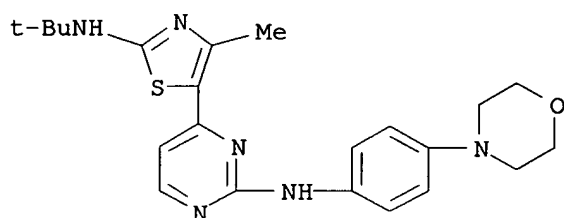
RN 870782-02-8 CAPLUS

CN 2-Pyrimidinamine, N-[3,5-dichloro-4-(4-morpholinyl)phenyl]-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



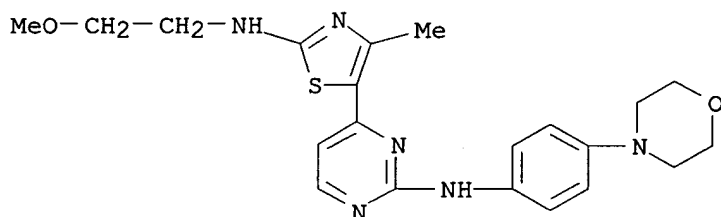
RN 870782-03-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(1,1-dimethylethyl)amino]-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



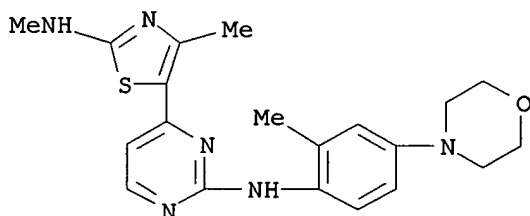
RN 870782-04-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(2-methoxyethyl)amino]-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 870782-05-1 CAPLUS

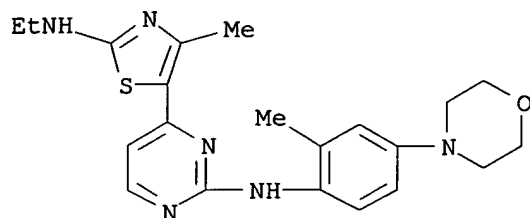
CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[2-methyl-4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 870782-06-2 CAPLUS

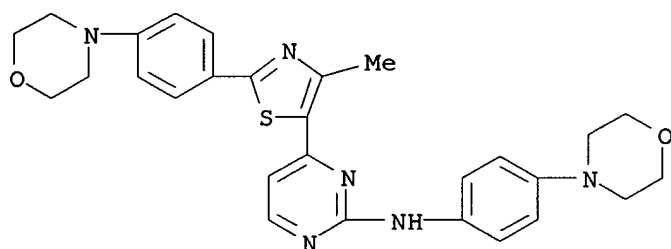
CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[2-methyl-4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)

morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



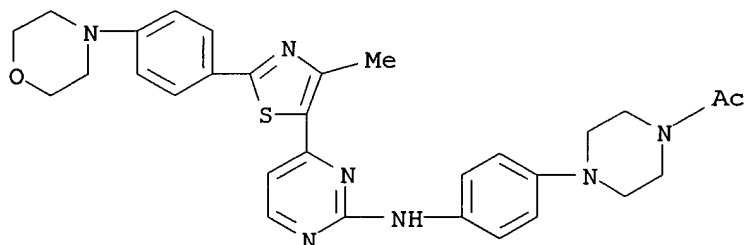
RN 870782-07-3 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-[4-(4-morpholinyl)phenyl]-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



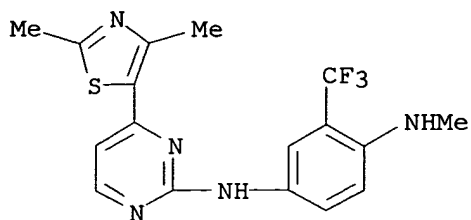
RN 870782-09-5 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-[4-(4-morpholinyl)phenyl]-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



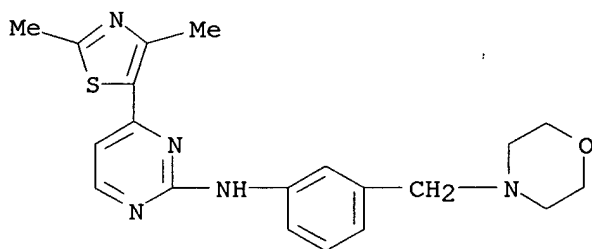
RN 870782-10-8 CAPLUS

CN 1,4-Benzenediamine, N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1-methyl-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



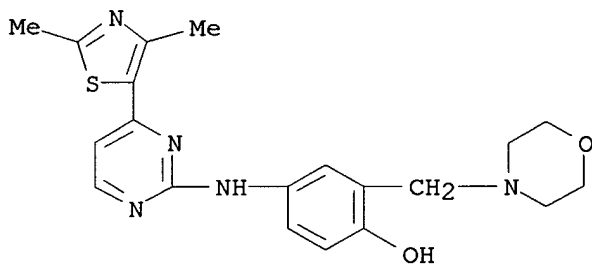
RN 870782-12-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-(4-morpholinylmethyl)phenyl]- (9CI) (CA INDEX NAME)



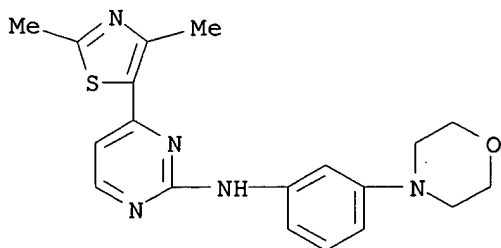
RN 870782-14-2 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-(4-morpholinylmethyl)- (9CI) (CA INDEX NAME)



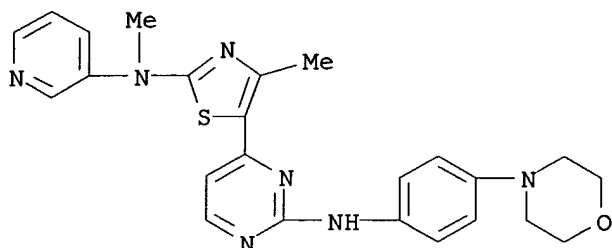
RN 870782-16-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



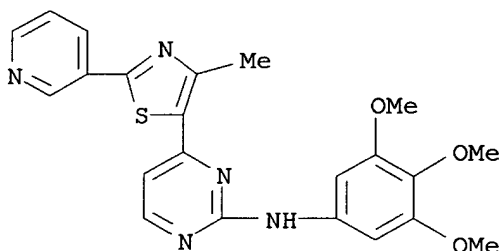
RN 870782-18-6 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methyl-3-pyridinylamino)-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



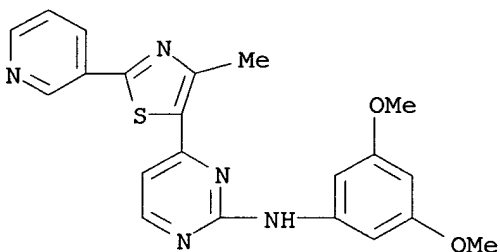
RN 870782-20-0 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



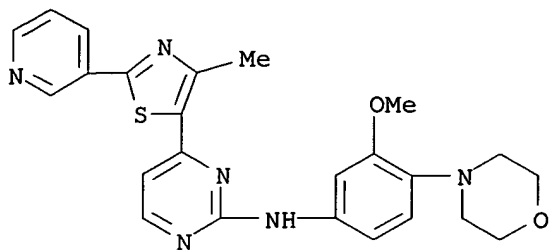
RN 870782-21-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



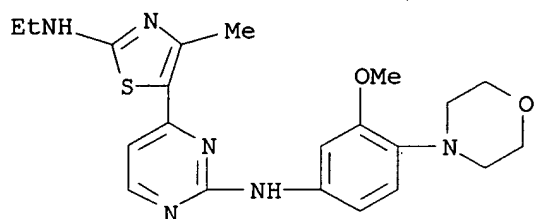
RN 870782-22-2 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-4-(4-morpholinyl)phenyl]-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



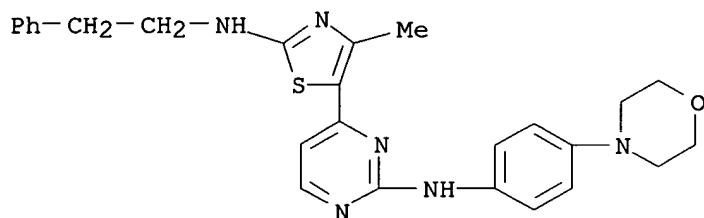
RN 870782-24-4 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[3-methoxy-4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



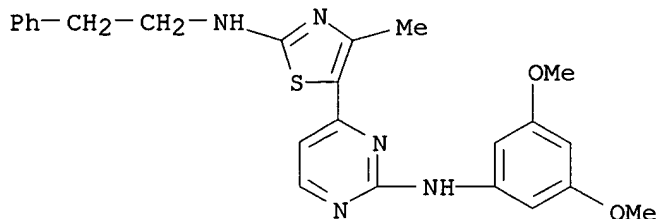
RN 870782-25-5 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-[(2-phenylethyl)amino]-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



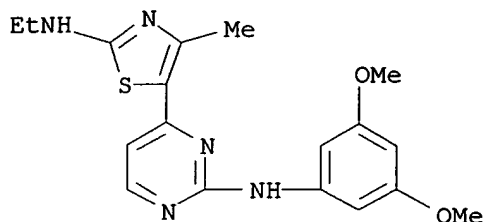
RN 870782-27-7 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-[4-methyl-2-[(2-phenylethyl)amino]-5-thiazolyl]- (9CI) (CA INDEX NAME)



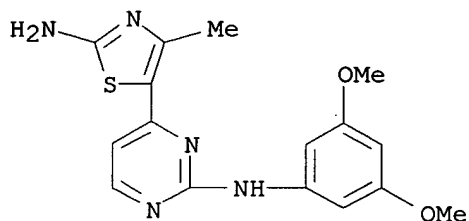
RN 870782-28-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



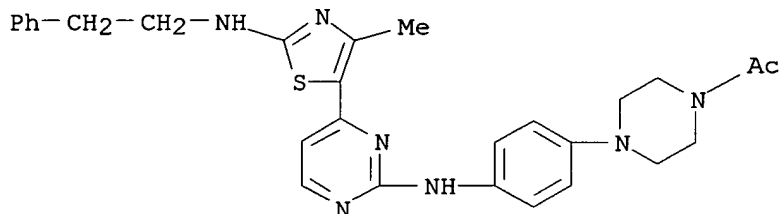
RN 870782-29-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3,5-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



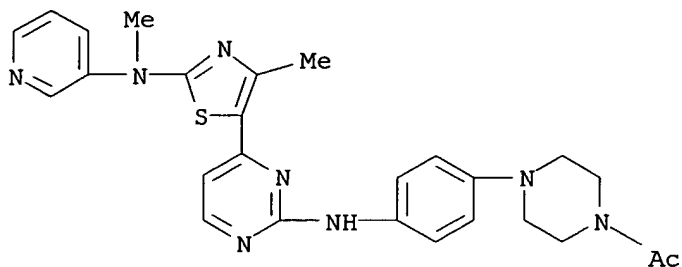
RN 870782-30-2 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-[(2-phenylethyl)amino]-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



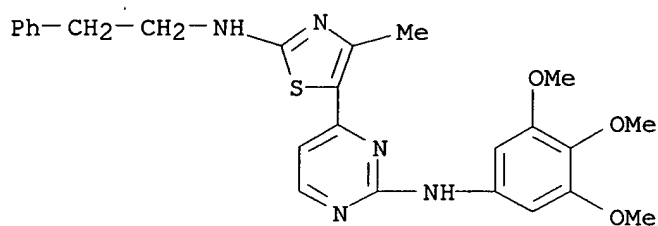
RN 870782-31-3 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-(methyl-3-pyridinylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



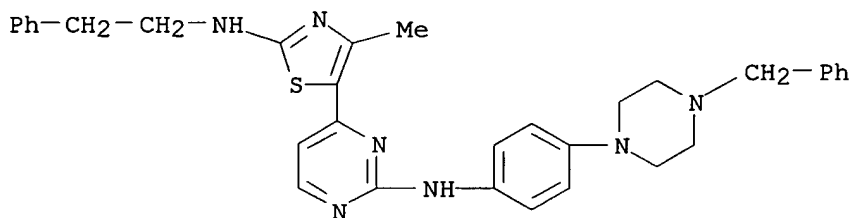
RN 870782-32-4 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-[(2-phenylethyl)amino]-5-thiazolyl]-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



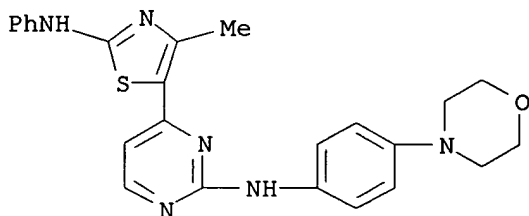
RN 870782-33-5 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-[(2-phenylethyl)amino]-5-thiazolyl]-N-[4-[4-(phenylmethyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



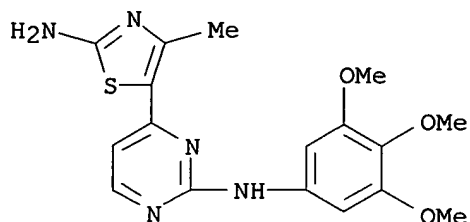
RN 870782-34-6 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(phenylamino)-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



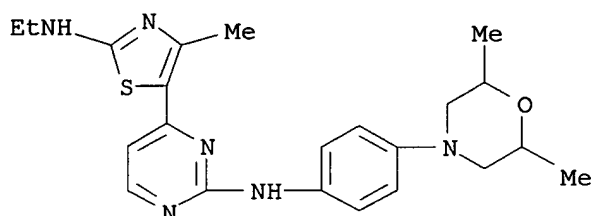
RN 870782-36-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



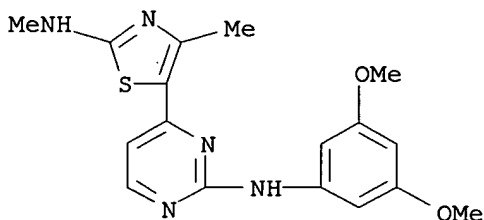
RN 870782-37-9 CAPLUS

CN 2-Pyrimidinamine, N-[4-(2,6-dimethyl-4-morpholinyl)phenyl]-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



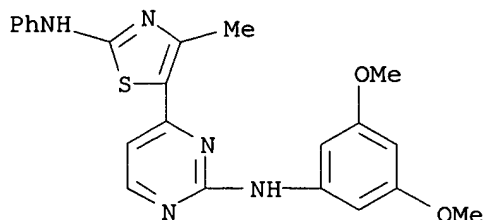
RN 870782-38-0 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



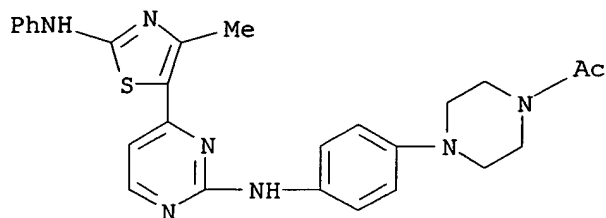
RN 870782-39-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-[4-methyl-2-(phenylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



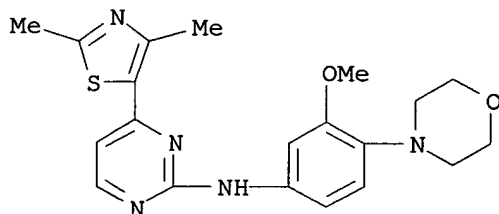
RN 870782-40-4 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-(phenylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



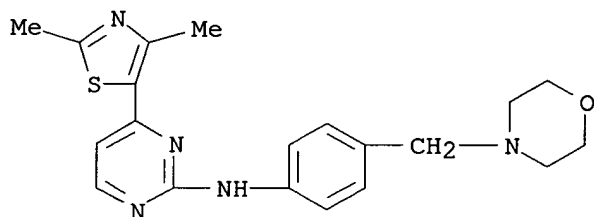
RN 870782-41-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-methoxy-4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



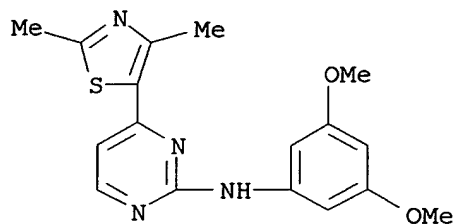
RN 870782-42-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-morpholinylmethyl)phenyl]- (9CI) (CA INDEX NAME)



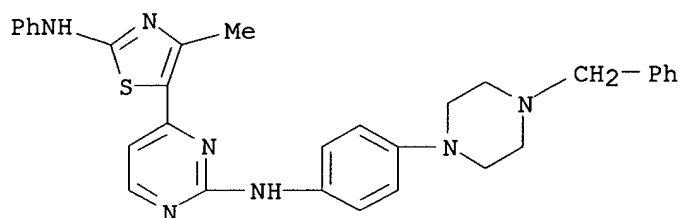
RN 870782-44-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



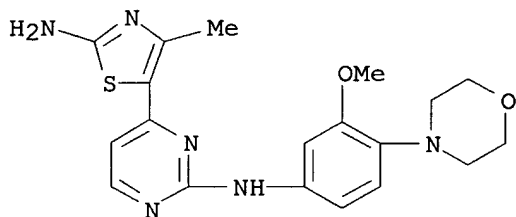
RN 870782-45-9 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(phenylamino)-5-thiazolyl]-N-[4-[4-(phenylmethyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



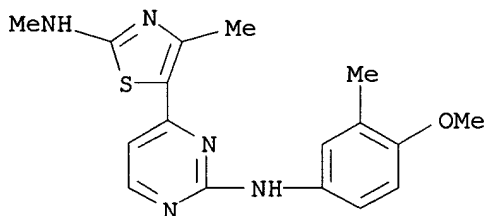
RN 870782-51-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[3-methoxy-4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 870782-53-9 CAPLUS

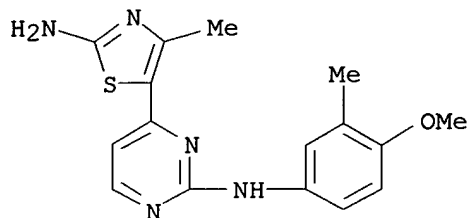
CN 2-Pyrimidinamine, N-(4-methoxy-3-methylphenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



RN 870782-55-1 CAPLUS

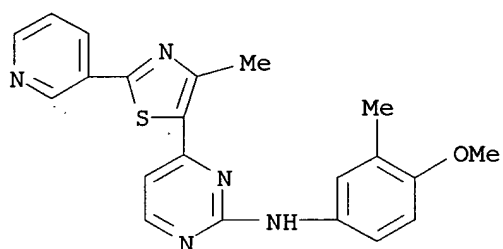
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-methoxy-3-

methylphenyl)- (9CI) (CA INDEX NAME)



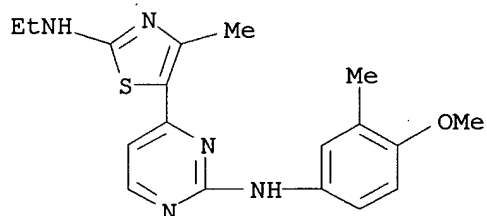
RN 870782-56-2 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxy-3-methylphenyl)-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



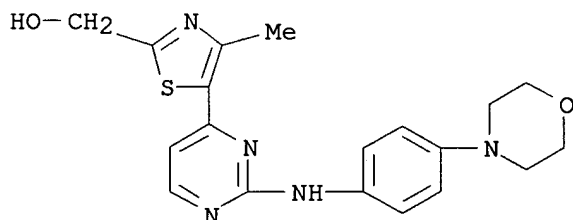
RN 870782-57-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(4-methoxy-3-methylphenyl)- (9CI) (CA INDEX NAME)



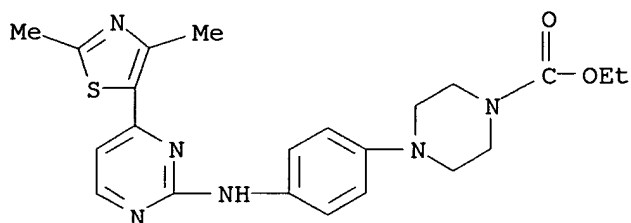
RN 870782-58-4 CAPLUS

CN 2-Thiazolemethanol, 4-methyl-5-[2-[[4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



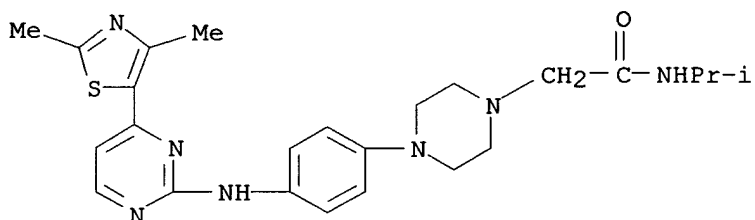
RN 870782-59-5 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



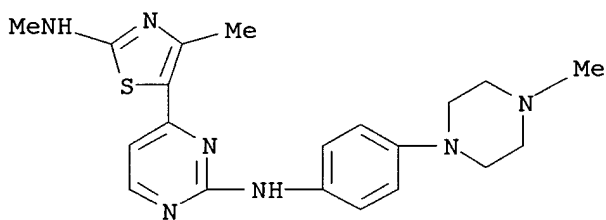
RN 870782-61-9 CAPLUS

CN 1-Piperazineacetamide, 4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



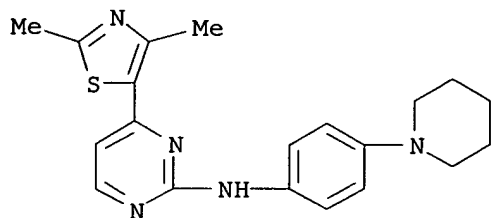
RN 870782-63-1 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-(4-methyl-1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



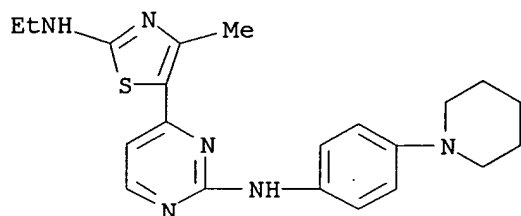
RN 870782-64-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(1-piperidinyl)phenyl]- (9CI) (CA INDEX NAME)



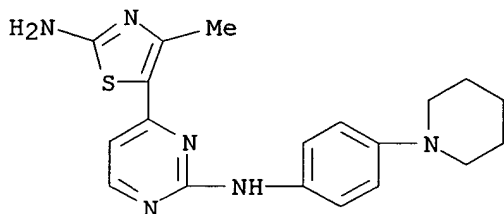
RN 870782-66-4 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(1-piperidiny)phenyl]- (9CI) (CA INDEX NAME)



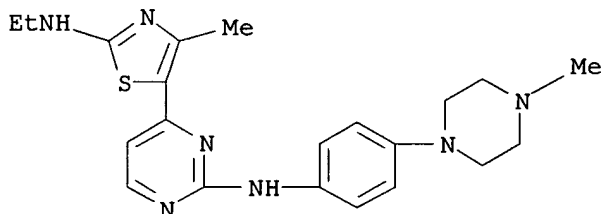
RN 870782-67-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(1-piperidiny)phenyl]- (9CI) (CA INDEX NAME)



RN 870782-68-6 CAPLUS

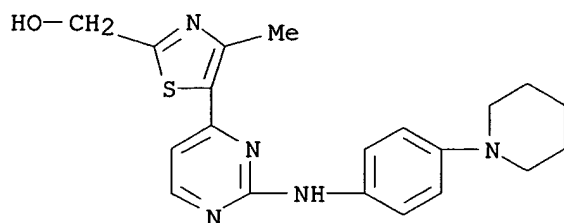
CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(4-methyl-1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 870782-69-7 CAPLUS

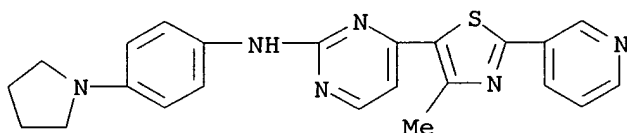
CN 2-Thiazolemethanol, 4-methyl-5-[2-[[4-(1-piperidiny)phenyl]amino]-4-

pyrimidinyl]- (9CI) (CA INDEX NAME)



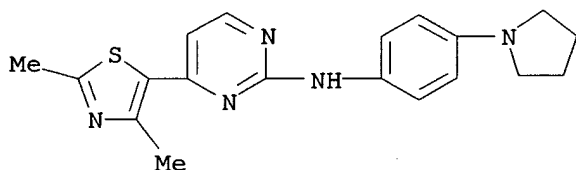
RN 870782-70-0 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-N-[4-(1-pyrrolidinyl)phenyl]- (9CI) (CA INDEX NAME)



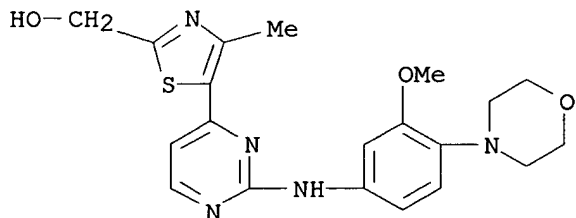
RN 870782-72-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(1-pyrrolidinyl)phenyl]- (9CI) (CA INDEX NAME)



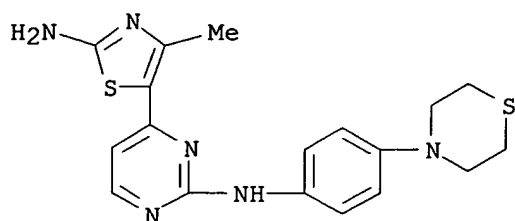
RN 870782-73-3 CAPLUS

CN 2-Thiazolemethanol, 5-[2-[[3-methoxy-4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



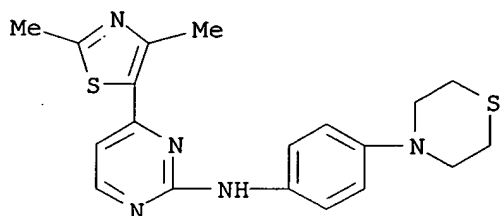
RN 870782-74-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(4-thiomorpholinyl)phenyl]- (9CI) (CA INDEX NAME)



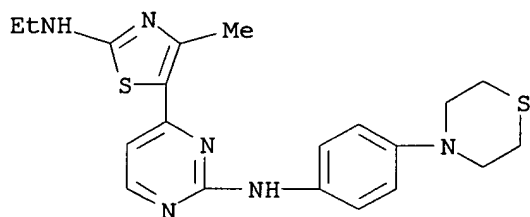
RN 870782-76-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-thiomorpholinyl)phenyl]- (9CI) (CA INDEX NAME)



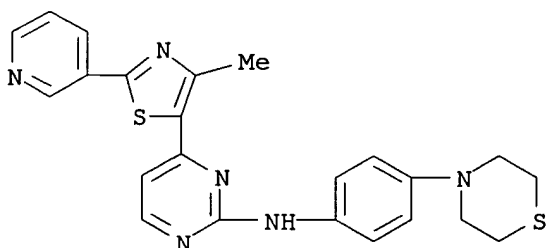
RN 870782-77-7 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(4-thiomorpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 870782-78-8 CAPLUS

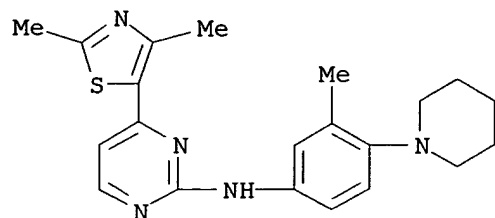
CN 2-Pyrimidinamine, 4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-N-[4-(4-thiomorpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 870782-79-9 CAPLUS

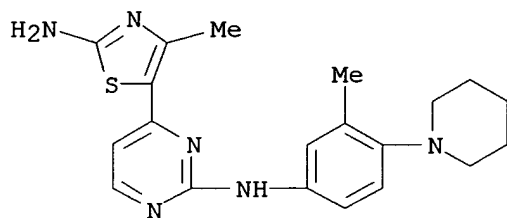
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-methyl-4-(1-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

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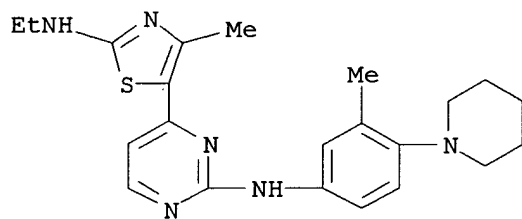
RN 870782-81-3 CAPLUS

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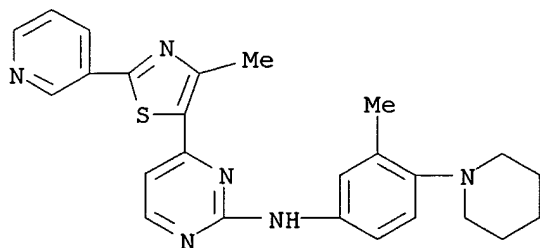
RN 870782-82-4 CAPLUS

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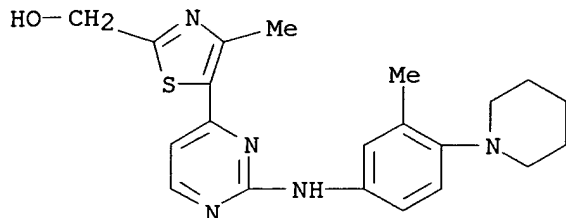
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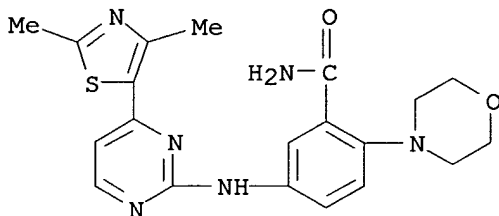
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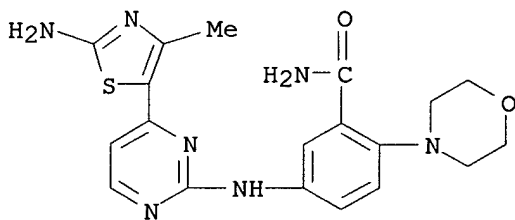
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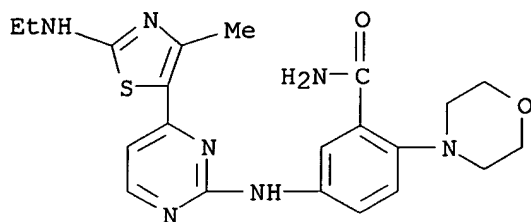
RN 870782-87-9 CAPLUS

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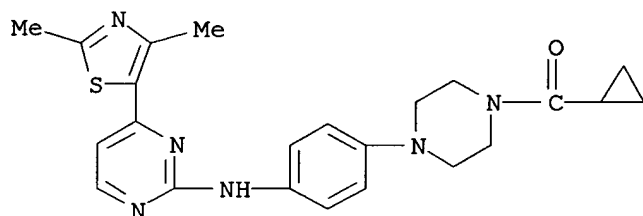
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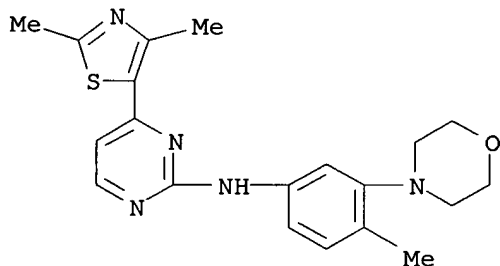
RN 870782-89-1 CAPLUS

CN Piperazine, 1-(cyclopropylcarbonyl)-4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



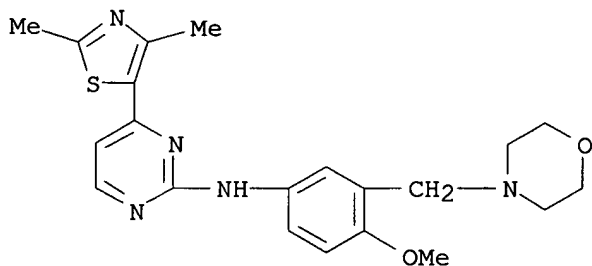
RN 870782-91-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-methyl-3-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



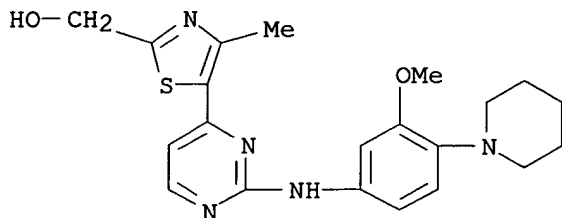
RN 870782-93-7 CAPLUS

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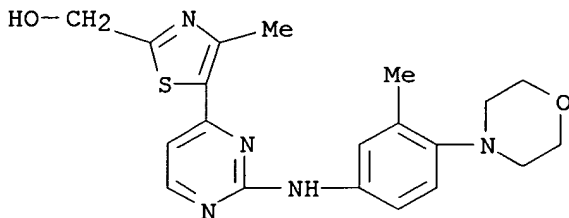
RN 870782-95-9 CAPLUS

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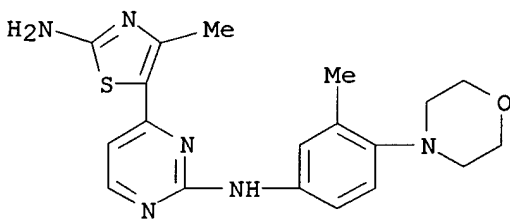
RN 870782-97-1 CAPLUS

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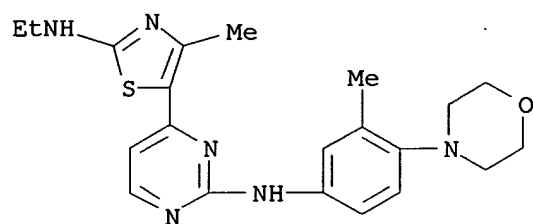
RN 870782-99-3 CAPLUS

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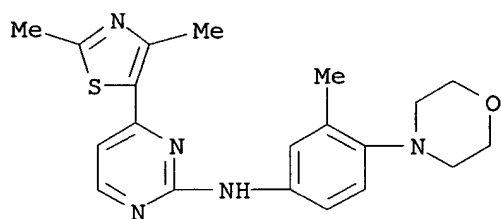
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RN 870783-01-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-methyl-4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:1262395 CAPLUS
 DN 144:22936
 TI Preparation of aminopyrimidine derivatives as aurora 2 kinase inhibitors
 for treatment of cancer
 IN Tomozane, Hideo; Ando, Ryoichi; Oike, Shinsuke
 PA Mitsubishi Pharma Corporation, Japan
 SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2005113550 | A1 | 20051201 | WO 2005-JP9119 | 20050519 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |

PRAI JP 2004-150962 A 20040520

OS MARPAT 144:22936

AB The title aminopyrimidine derivs. I [wherein R1 and R2 = independently halo, alkyl, OH, alkoxy, amino, alkylamino, or acylamino; R3 and R4 = independently H, halo, alkyl, OH, or alkoxy; R5 = H, alkyl, or acyl; R6 and R7 = independently H, halo, alkyl, OH, etc.; R8 = (un)substituted COH, CO2H, CONH2, etc.; R9 = H, alkyl, OH, alkoxy, etc.], or pharmaceutically acceptable salts, hydrates, or solvates thereof were prepared as aurora 2 kinase inhibitors for the treatment of cancer. For example, the compound II was prepared in a multi-step synthesis. II inhibited aurora 2 kinase with IC50 of 4 nM.

IT **870458-86-9P 870459-09-9P 870459-17-9P**

870459-18-0P 870459-19-1P 870459-20-4P

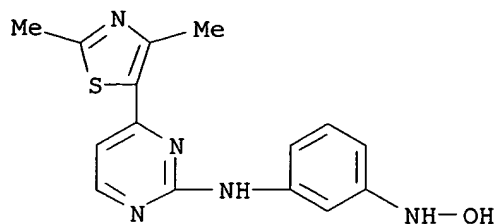
870459-21-5P 870459-24-8P 870459-30-6P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of aminopyrimidine derivs. as aurora 2 kinase inhibitors for treatment of cancer)

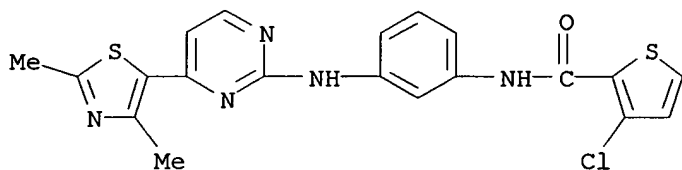
RN 870458-86-9 CAPLUS

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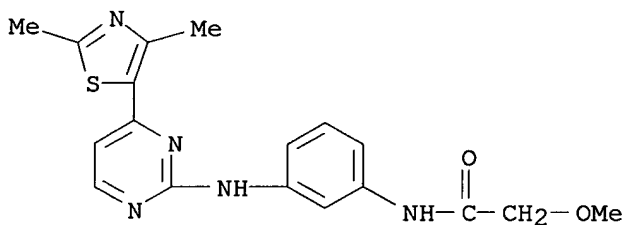
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CN 2-Thiophenecarboxamide, 3-chloro-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



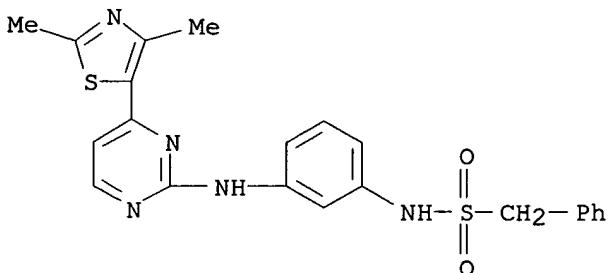
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CN Acetamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-2-methoxy- (9CI) (CA INDEX NAME)



RN 870459-18-0 CAPLUS

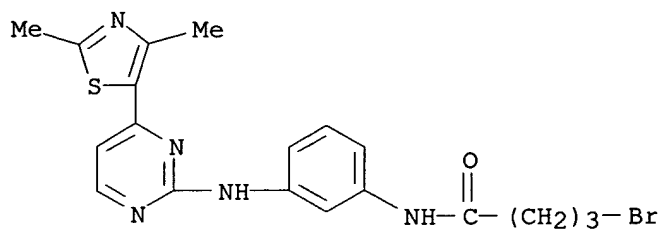
CN Benzenemethanesulfonyl derivative, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 870459-19-1 CAPLUS

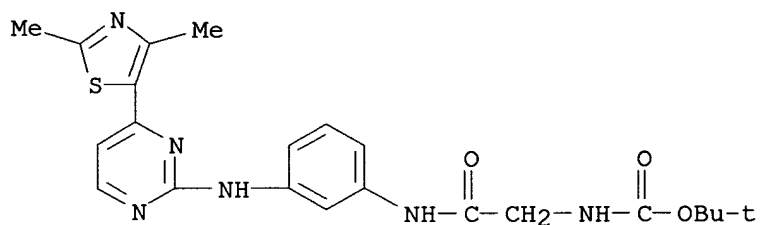
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pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



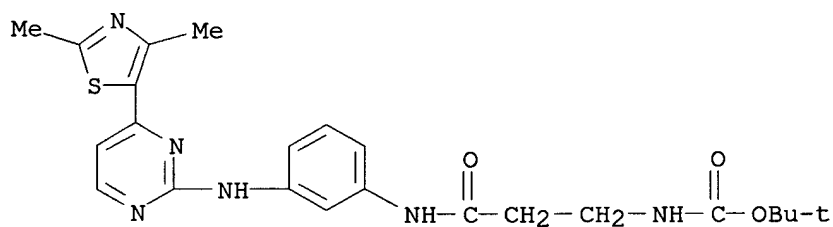
RN 870459-20-4 CAPLUS

CN Carbamic acid, [2-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



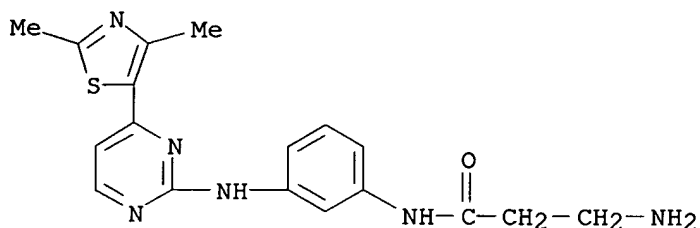
RN 870459-21-5 CAPLUS

CN Carbamic acid, [3-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



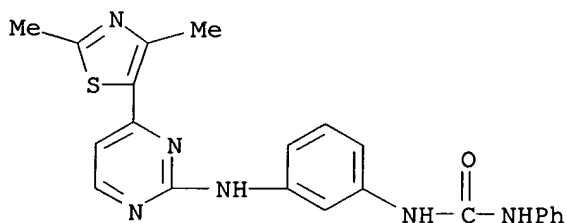
RN 870459-24-8 CAPLUS

CN Propanamide, 3-amino-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 870459-30-6 CAPLUS

CN Urea, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-N'-phenyl- (9CI) (CA INDEX NAME)



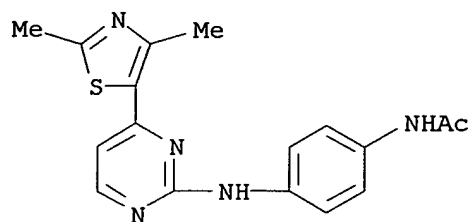
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of aminopyrimidine derivs. as aurora 2 kinase
 inhibitors for treatment of cancer)

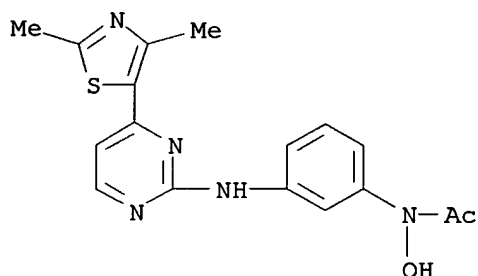
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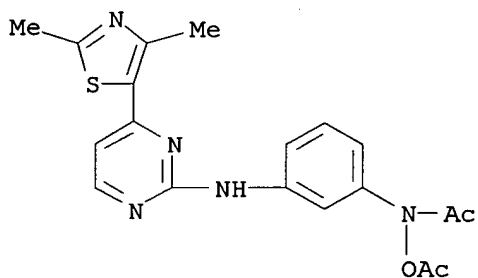
RN 870458-87-0 CAPLUS

CN Acetamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-N-hydroxy- (9CI) (CA INDEX NAME)



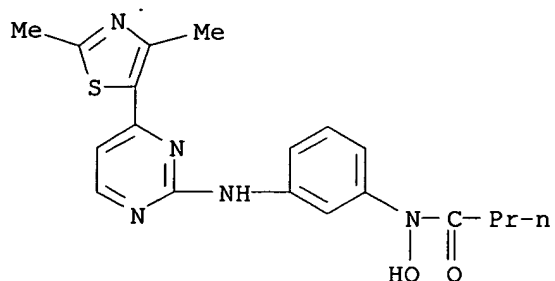
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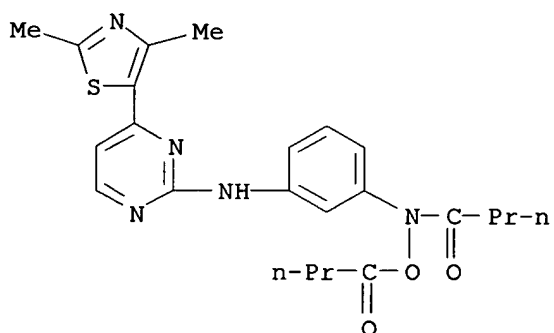
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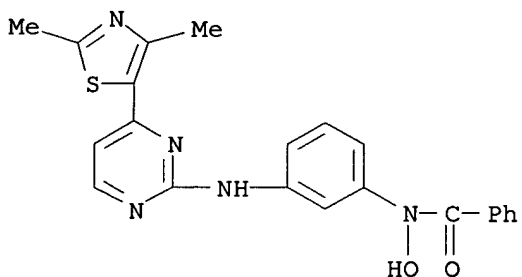
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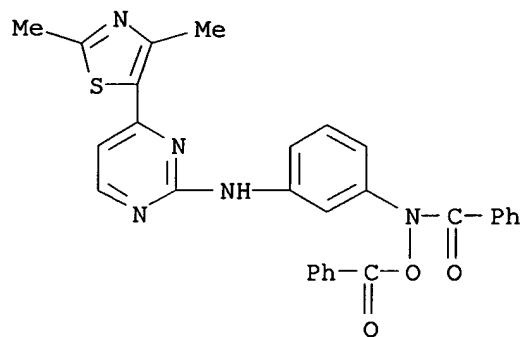
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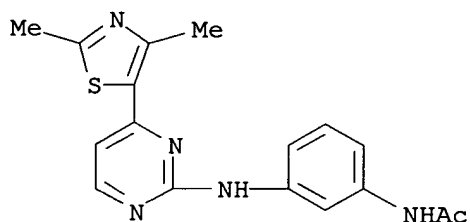
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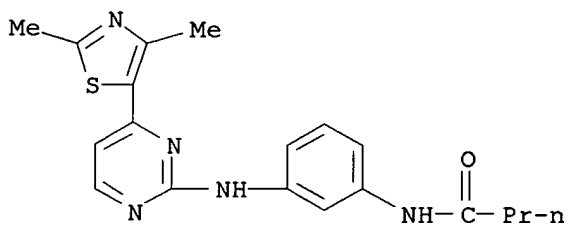
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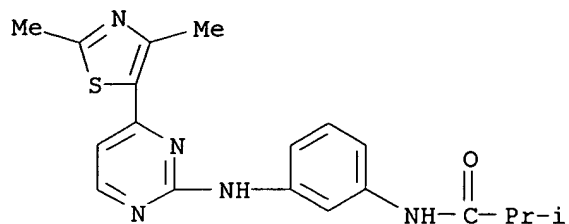
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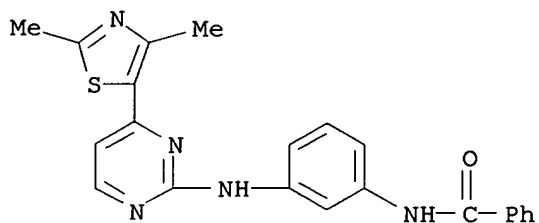
RN 870458-95-0 CAPLUS

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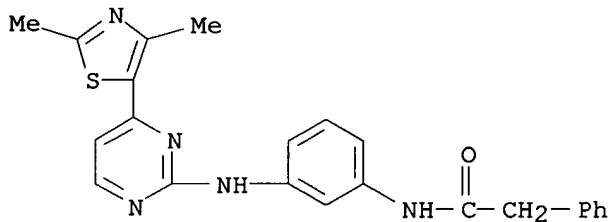
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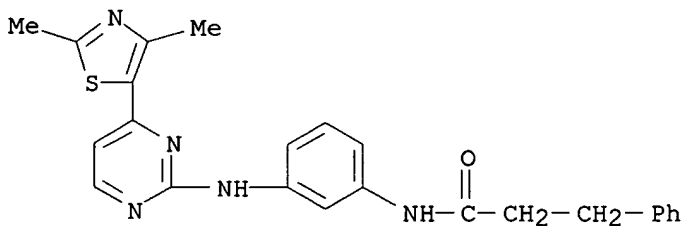
RN 870458-97-2 CAPLUS

CN Benzeneacetamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 870458-98-3 CAPLUS

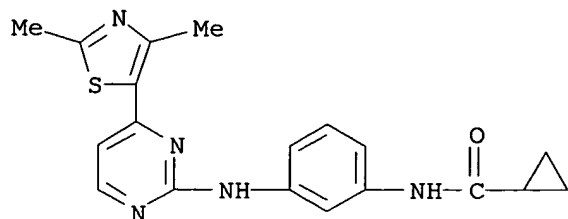
CN Benzenepropanamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



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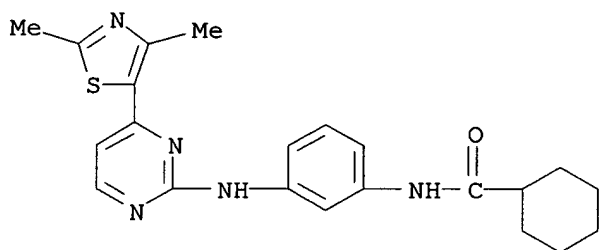
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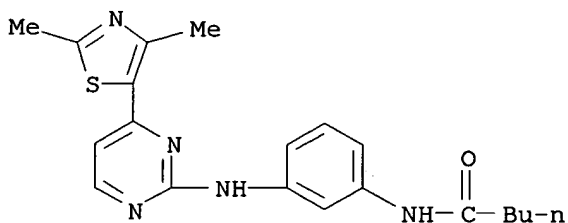
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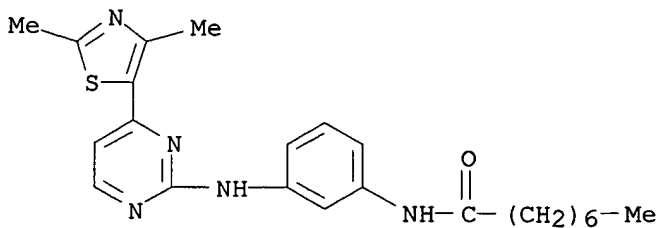
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CN Pentanamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



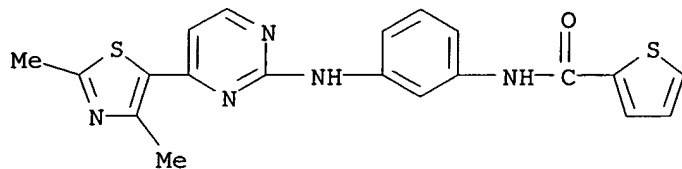
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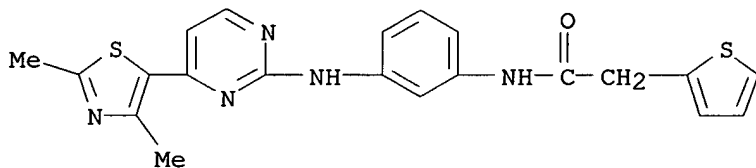
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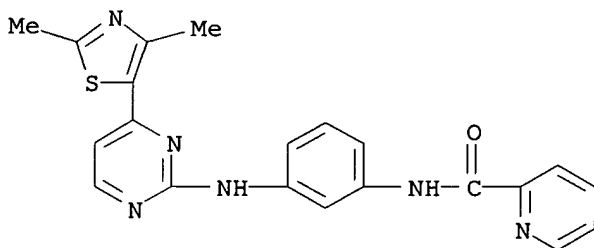
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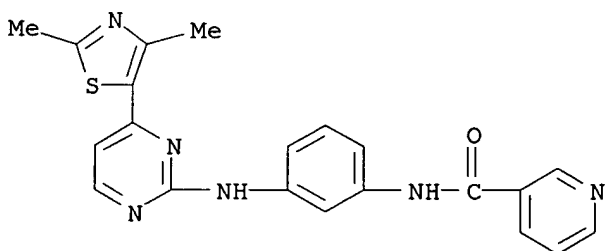
RN 870459-05-5 CAPLUS

CN 2-Pyridinecarboxamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



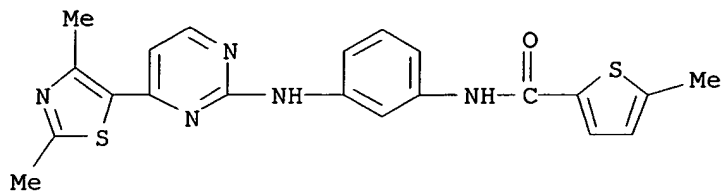
RN 870459-06-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



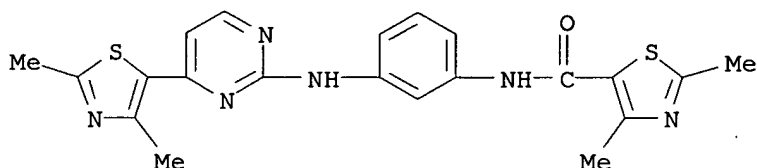
RN 870459-07-7 CAPLUS

CN 2-Thiophenecarboxamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-5-methyl- (9CI) (CA INDEX NAME)



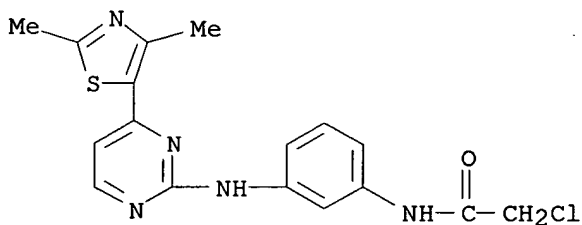
RN 870459-08-8 CAPLUS

CN 5-Thiazolecarboxamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-2,4-dimethyl- (9CI) (CA INDEX NAME)



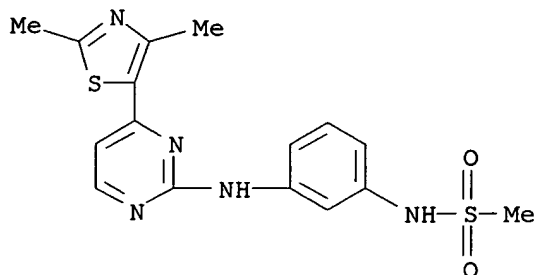
RN 870459-10-2 CAPLUS

CN Acetamide, 2-chloro-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



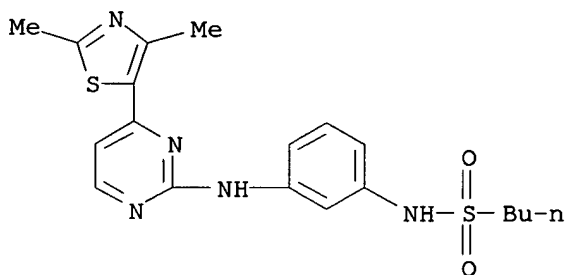
RN 870459-11-3 CAPLUS

CN Methanesulfonamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



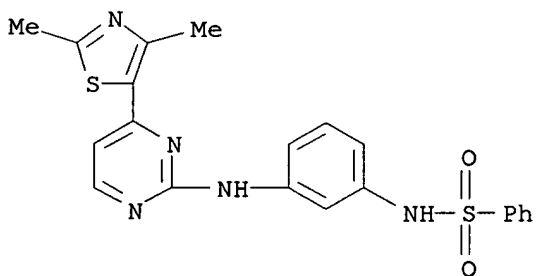
RN 870459-12-4 CAPLUS

CN 1-Butanesulfonamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



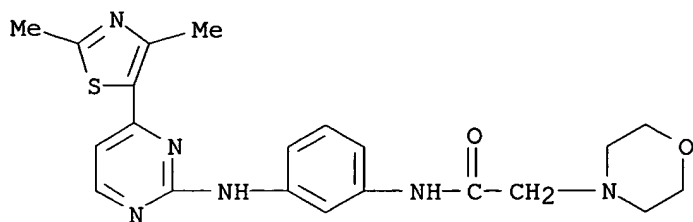
RN 870459-13-5 CAPLUS

CN Benzenesulfonamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



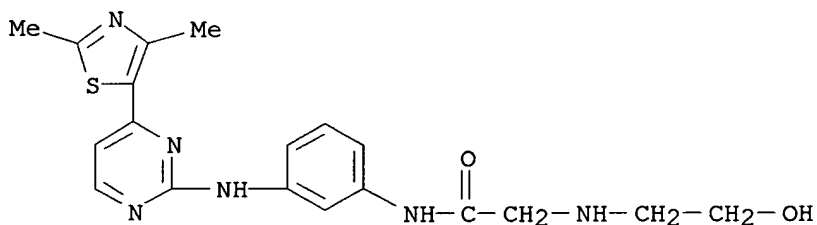
RN 870459-14-6 CAPLUS

CN 4-Morpholineacetamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 870459-15-7 CAPLUS

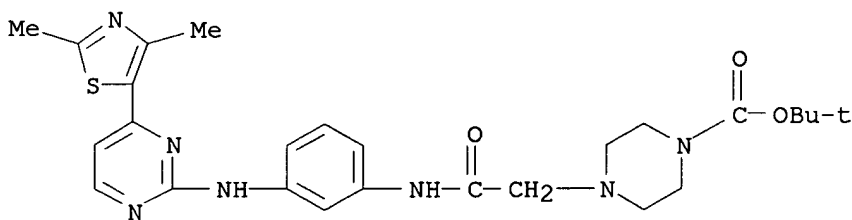
CN Acetamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-2-[(2-hydroxyethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

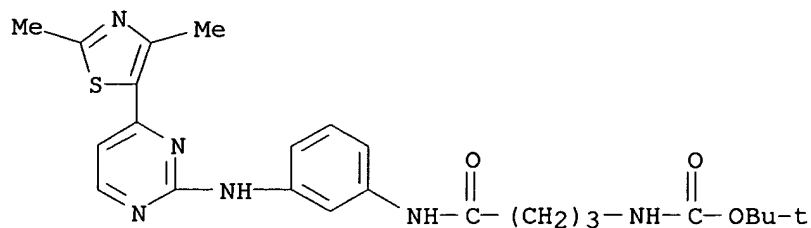
RN 870459-16-8 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[2-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



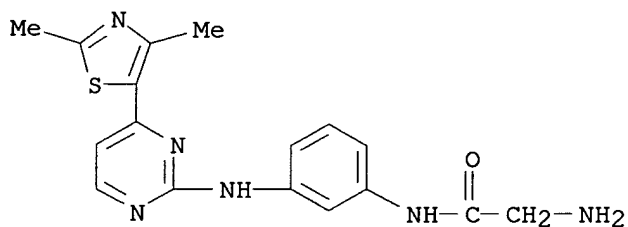
RN 870459-22-6 CAPLUS

CN Carbamic acid, [4-[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]-4-oxobutyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 870459-23-7 CAPLUS

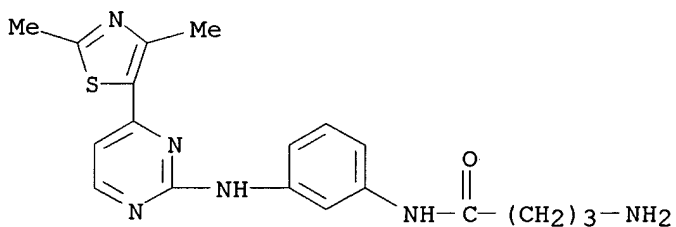
CN Acetamide, 2-amino-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

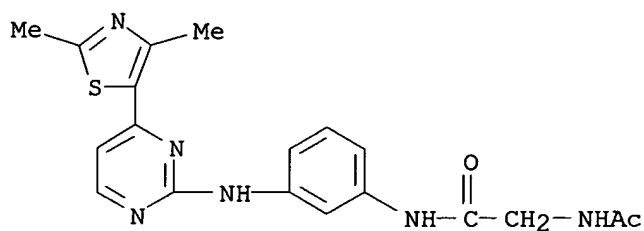
RN 870459-25-9 CAPLUS

CN Butanamide, 4-amino-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



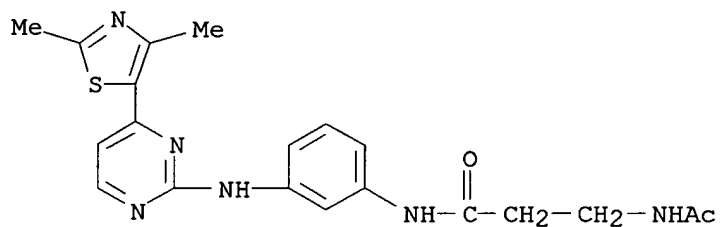
RN 870459-26-0 CAPLUS

CN Acetamide, 2-(acetamido)-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



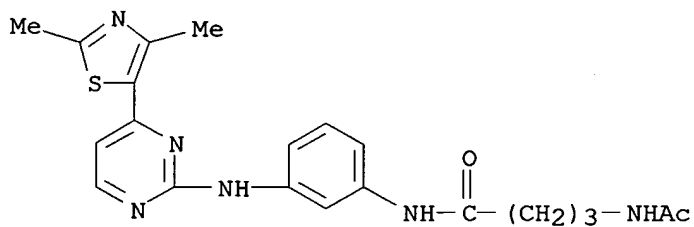
RN 870459-27-1 CAPLUS

CN Propanamide, 3-(acetylamino)-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



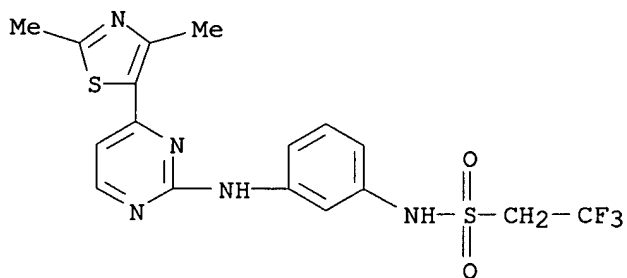
RN 870459-28-2 CAPLUS

CN Butanamide, 4-(acetylamino)-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



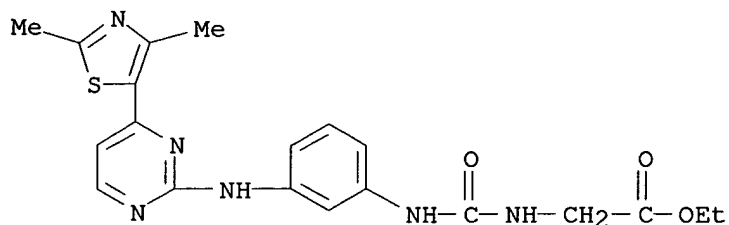
RN 870459-29-3 CAPLUS

CN Ethanesulfonamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



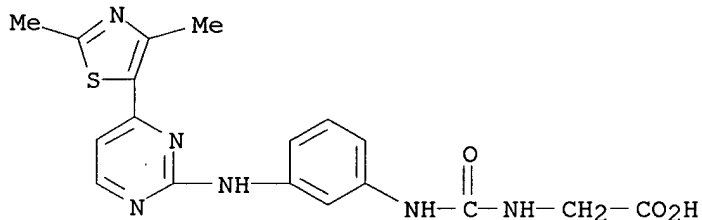
RN 870459-31-7 CAPLUS

CN Glycine, N-[[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



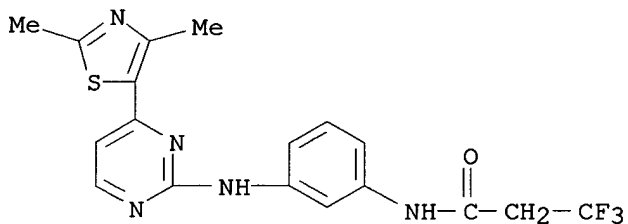
RN 870459-32-8 CAPLUS

CN Glycine, N-[[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



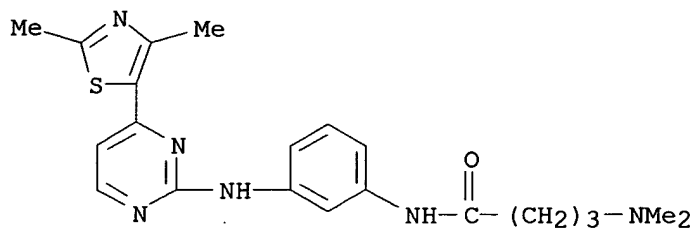
RN 870459-33-9 CAPLUS

CN Propanamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-3,3,3-trifluoro- (9CI) (CA INDEX NAME)



RN 870459-34-0 CAPLUS

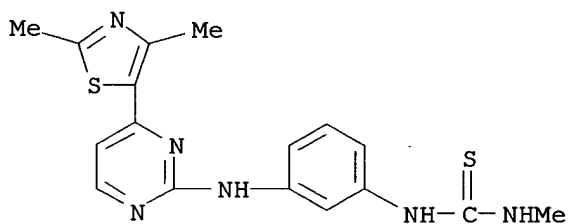
CN Butanamide, 4-(dimethylamino)-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

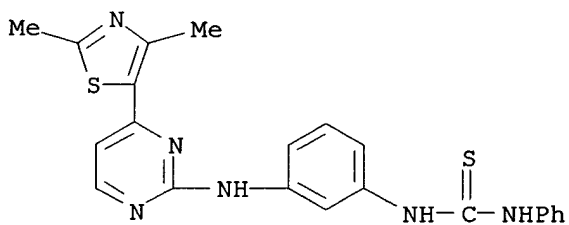
RN 870459-35-1 CAPLUS

CN Thiourea, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-N'-methyl- (9CI) (CA INDEX NAME)



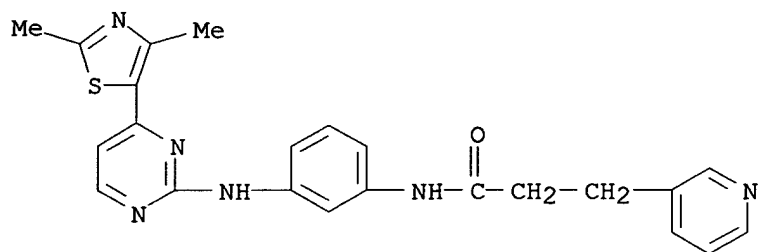
RN 870459-36-2 CAPLUS

CN Thiourea, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-N'-phenyl- (9CI) (CA INDEX NAME)



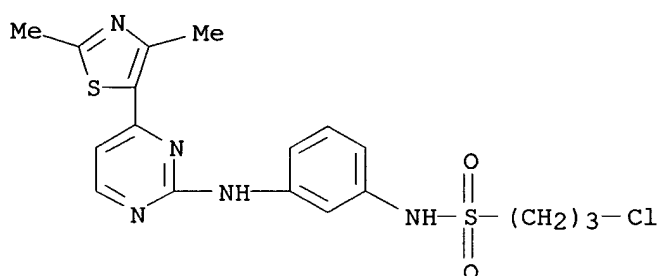
RN 870459-37-3 CAPLUS

CN 3-Pyridinepropanamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



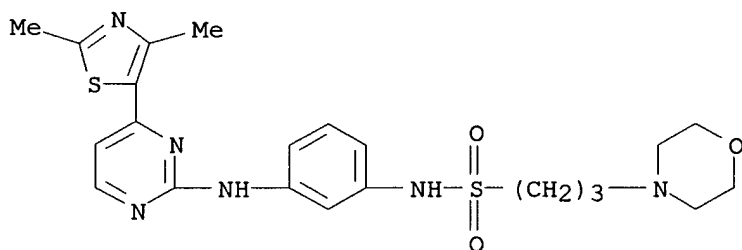
RN 870459-38-4 CAPLUS

CN 1-Propanesulfonamide, 3-chloro-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



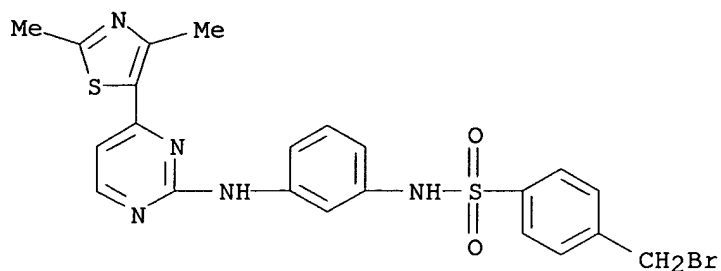
RN 870459-39-5 CAPLUS

CN 4-Morpholinepropanesulfonamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



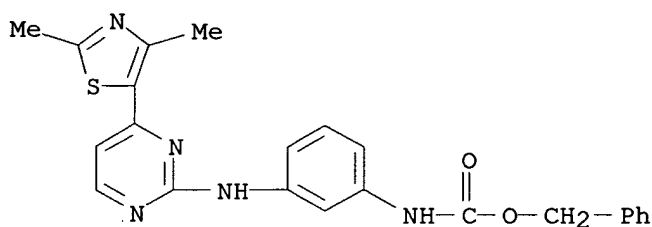
RN 870459-40-8 CAPLUS

CN Benzenesulfonamide, 4-(bromomethyl)-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



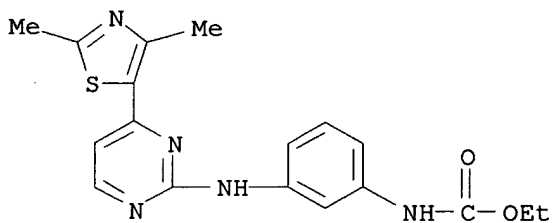
RN 870459-41-9 CAPLUS

CN Carbamic acid, [3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



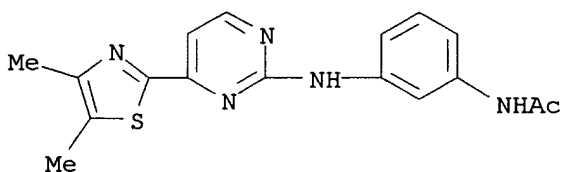
RN 870459-42-0 CAPLUS

CN Carbamic acid, [3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 870459-43-1 CAPLUS

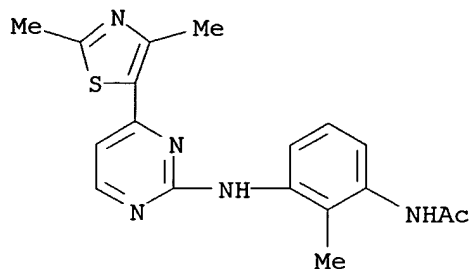
CN Acetamide, N-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 870459-44-2 CAPLUS

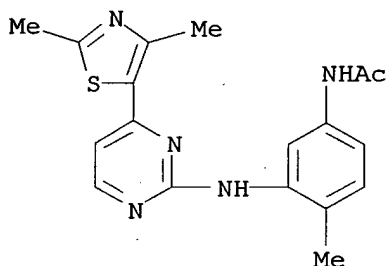
CN Acetamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)

methylphenyl]- (9CI) (CA INDEX NAME)



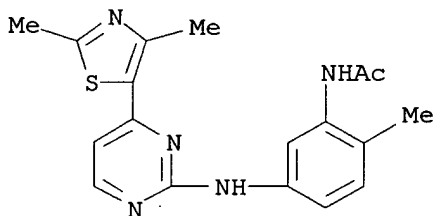
RN 870459-45-3 CAPLUS

CN Acetamide, N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-4-methylphenyl]- (9CI) (CA INDEX NAME)



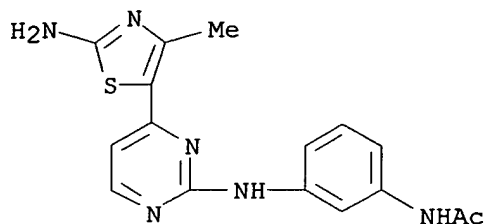
RN 870459-46-4 CAPLUS

CN Acetamide, N-[5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-methylphenyl]- (9CI) (CA INDEX NAME)



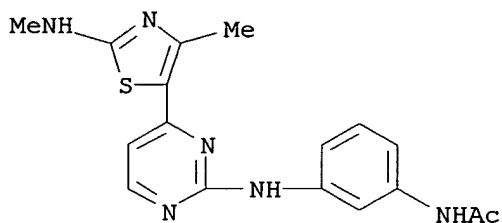
RN 870459-47-5 CAPLUS

CN Acetamide, N-[3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



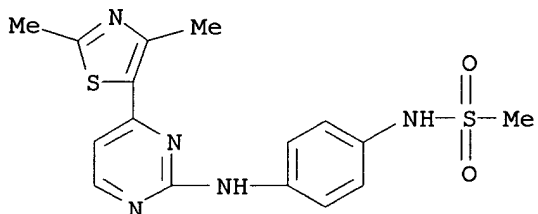
RN 870459-48-6 CAPLUS

CN Acetamide, N-[3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



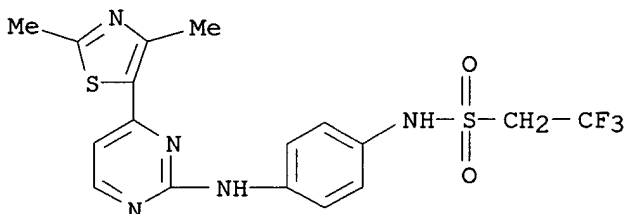
RN 870459-49-7 CAPLUS

CN Methanesulfonamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 870459-50-0 CAPLUS

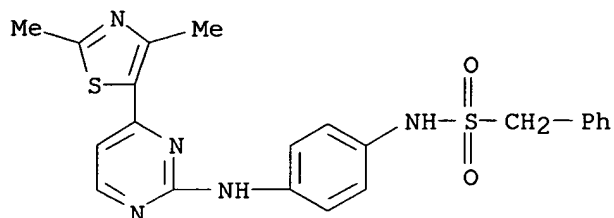
CN Ethanesulfonamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



RN 870459-51-1 CAPLUS

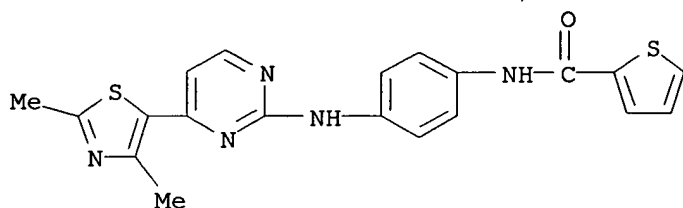
CN Benzenemethanesulfonamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-

pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



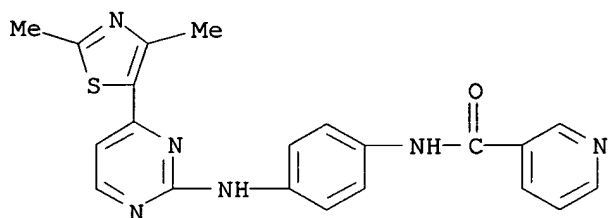
RN 870459-52-2 CAPLUS

CN 2-Thiophenecarboxamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



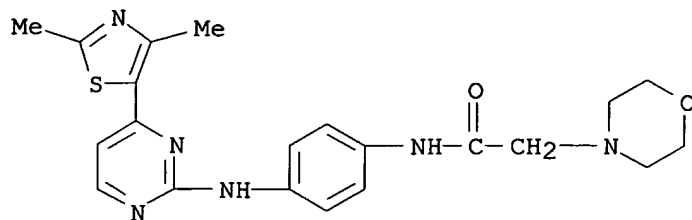
RN 870459-53-3 CAPLUS

CN 3-Pyridinecarboxamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



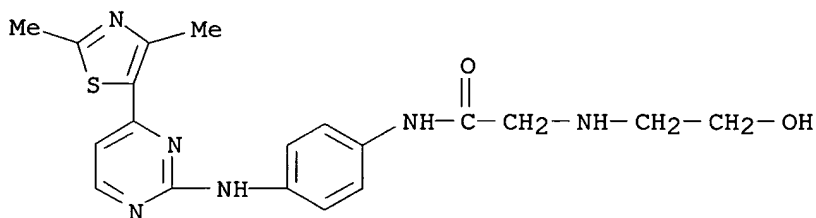
RN 870459-54-4 CAPLUS

CN 4-Morpholineacetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, hydrochloride (9CI) (CA INDEX NAME)



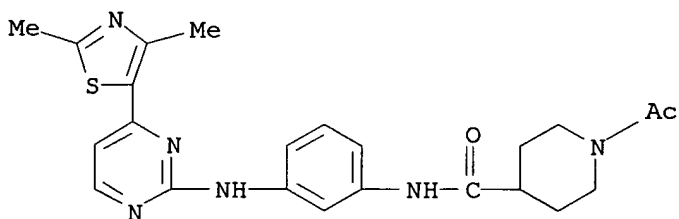
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RN 870459-57-7 CAPLUS
 CN Acetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-2-[(2-hydroxyethyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)

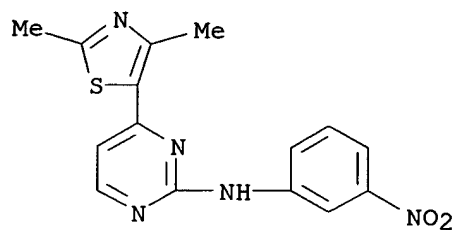


● x HCl

RN 870459-59-9 CAPLUS
 CN 4-Piperidinecarboxamide, 1-acetyl-N-[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)

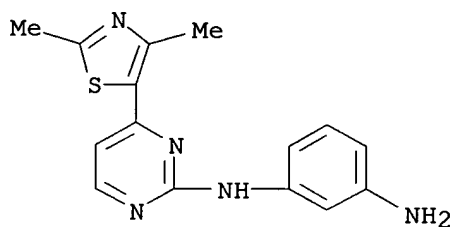


IT **364333-82-4P 364334-16-7P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of aminopyrimidine derivs. as aurora 2 kinase inhibitors for treatment of cancer)
 RN 364333-82-4 CAPLUS
 CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



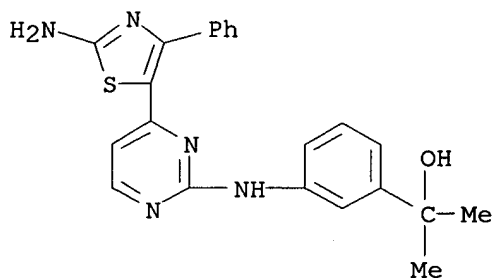
RN 364334-16-7 CAPLUS

CN 1,3-Benzenediamine, N-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]- (9CI)
(CA INDEX NAME)

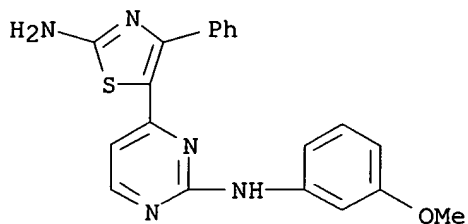


RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS, AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:1155926 CAPLUS
 DN 144:165710
 TI Evaluation of phenylaminopyrimidines as antifungal protein kinase inhibitors
 AU Pillonel, Christian
 CS Syngenta Crop Protection AG, Basel, CH-4002, Switz.
 SO Pest Management Science (2005), 61(11), 1069-1076
 CODEN: PMSFCF; ISSN: 1526-498X
 PB John Wiley & Sons Ltd.
 DT Journal
 LA English
 AB The effects of diverse phenylaminopyrimidines (PAP), namely PAP-pyridines (type A), PAP-pyrazoles (type B) and PAP-thiazoles (type C), on *Neurospora crassa* has been investigated. Type A strongly inhibit the in vitro growth of *N. crassa*, whereas types B and C are much less active. A significant correlation was observed between the *Neurospora* growth inhibition and the intrinsic activity of type A compds. on the cyclin-dependent protein kinase p34CDC2 of starfish, suggesting that the target of phenylaminopyrimidines in fungi is a cyclin-dependent protein kinase (CDK). The phenylaminopyrimidine-binding CDKs Phoss (major band) and CDC2 (minor band) involved in phosphorus uptake, glycogen synthesis and the cell cycle were identified from *N. crassa* by affinity chromatog. on phenylaminopyrimidine-sepharose. Comparative expts. with different protein kinases revealed the importance of the side chain of phenylaminopyrimidines for their target selectivity. A type B compound was found to selectively inhibit the MAP-kinase OS-2 involved in the osmoregulatory pathway of *Neurospora*.
 IT 509086-68-4 509086-73-1 509086-76-4
 509086-77-5 509086-80-0 509086-84-4
 509087-07-4 509087-28-9 874810-54-5
 874810-55-6
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (phenylaminopyrimidines as antifungal protein kinase inhibitors)
 RN 509086-68-4 CAPLUS
 CN Benzenemethanol, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- α,α -dimethyl- (9CI) (CA INDEX NAME)

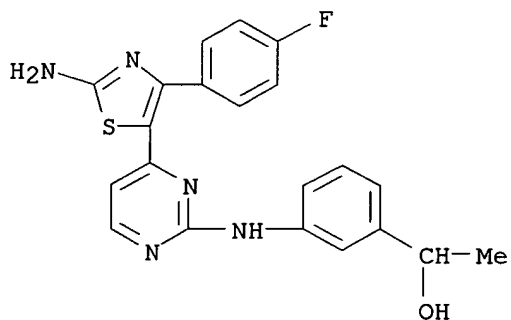


RN 509086-73-1 CAPLUS
 CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



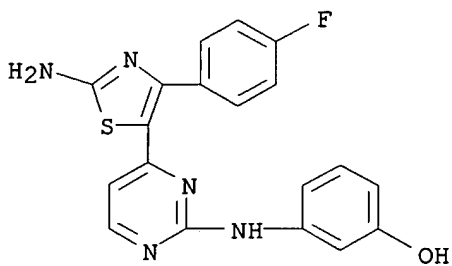
RN 509086-76-4 CAPLUS

CN Benzenemethanol, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- α -methyl- (9CI) (CA INDEX NAME)



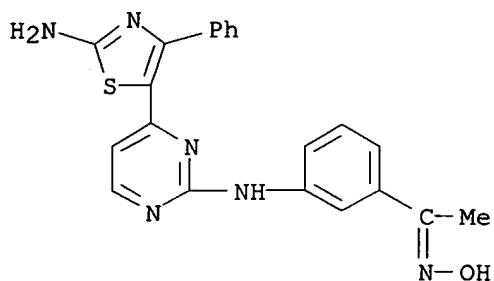
RN 509086-77-5 CAPLUS

CN Phenol, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



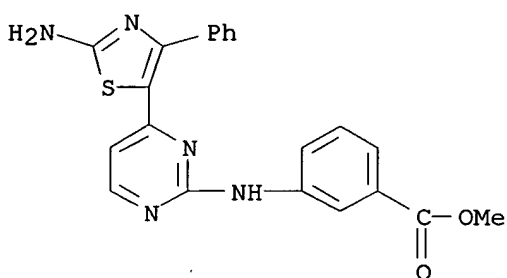
RN 509086-80-0 CAPLUS

CN Ethanone, 1-[3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, oxime (9CI) (CA INDEX NAME)



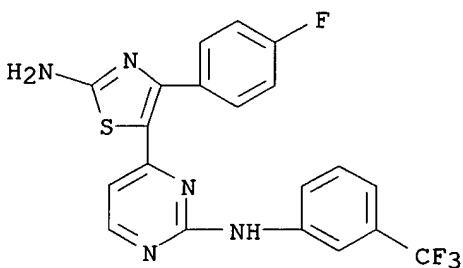
RN 509086-84-4 CAPLUS

CN Benzoic acid, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



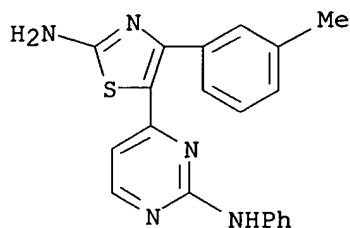
RN 509087-07-4 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



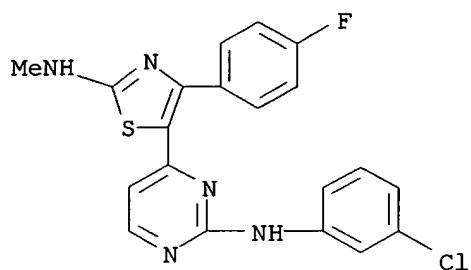
RN 509087-28-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(3-methylphenyl)-5-thiazolyl]-N-phenyl- (9CI) (CA INDEX NAME)



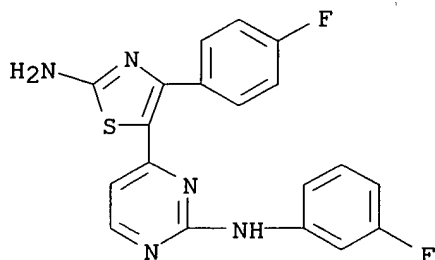
RN 874810-54-5 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[4-(4-fluorophenyl)-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



RN 874810-55-6 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-(3-fluorophenyl)- (9CI) (CA INDEX NAME)



RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:823700 CAPLUS
 DN 143:229876
 TI Preparation of thiazolyl-substituted pyrimidineamines as protein kinase inhibitors
 IN Duncan, Kenneth; Gibson, Darren; Wang, Shudong; Zheleva, Daniella; Fischer, Peter
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 77 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2005075468 | A2 | 20050818 | WO 2005-GB405 | 20050207 |
| | WO 2005075468 | A3 | 20051013 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| PRAI | GB 2004-2653 | A | 20040206 | | |

OS MARPAT 143:229876

AB Title compds. I [Z1 = N, CH; Z2-3 = N, CR7; R1-7 = H, hydrocarbyl, halo, etc.; Z1 = CH or Z2 = N or Z1 = CH and Z2 = N with some exceptions] are prepared For instance, (6-chloropyridin-3-yl)(4-(thiazol-2-yl)pyrimidin-2-yl)amine (II) is prepared from 3-dimethylamino-1-(thiazol-2-yl)propenone and 6-chloropyridin-3-ylamine and aqueous cyanamide solution II has Ki = 0.016 for protein kinase GSK3. I are useful for the treatment of one or more disorders selected from a proliferative disorder, a viral disorder, a CNS disorder, diabetes, stroke or alopecia.

IT **862592-86-7P**, N-[4-(4,5-Dimethylthiazol-2-yl)pyrimidin-2-yl]benzene-1,3-diamine **862592-87-8P**, 3-[[4-(4,5-Dimethylthiazol-2-yl)pyrimidin-2-yl]amino]phenol **862592-88-9P**, [4-(4,5-Dimethylthiazol-2-yl)pyrimidin-2-yl](3-trifluoromethylphenyl)amine **862592-89-0P**, [4-Chloro-3-(trifluoromethyl)phenyl][4-(4,5-dimethylthiazol-2-yl)pyrimidin-2-yl]amine **862592-90-3P**, [4-(4,5-Dimethylthiazol-2-yl)pyrimidin-2-yl](3-nitrophenyl)amine **862592-94-7P**, [4-(4,5-Dimethylthiazol-2-yl)pyrimidin-2-yl][4-(morpholin-4-yl)phenyl]amine **862592-95-8P**, [4-(4,5-Dimethylthiazol-2-yl)pyrimidin-2-yl][4-methyl-3-nitrophenyl]amine **862592-96-9P**, 4-[[4-(4,5-Dimethylthiazol-2-yl)pyrimidin-2-yl]amino]phenol **862593-02-0P**, 1-[2-[2-(4-Chlorophenylamino)pyrimidin-4-yl]-4-methylthiazol-5-yl]ethanone **862593-04-2P**, (4-Chlorophenyl)[4-(4-methylthiazol-2-yl)pyrimidin-2-yl]amine **862593-05-3P**, 2-[2-(4-Chlorophenylamino)pyrimidin-4-yl]-4-hydroxythiazole-5-carboxylic acid ethyl ester **862593-18-8P**, (4-Chlorophenyl)[4-(4-phenylthiazol-2-yl)pyrimidin-2-yl]amine **862593-20-2P**, 2-[2-(4-Chlorophenylamino)pyrimidin-4-yl]-4-methylthiazole-5-carboxylic acid ethyl ester **862593-22-4P**, [2-[2-(4-Chlorophenylamino)pyrimidin-4-yl]thiazol-4-yl]acetic acid methyl

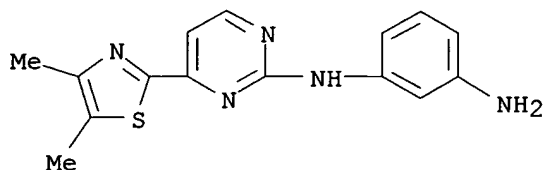
ester

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thiazolyl-substituted pyrimidineamines as protein kinase inhibitors)

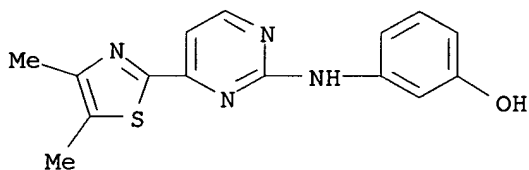
RN 862592-86-7 CAPLUS

CN 1,3-Benzenediamine, N-[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



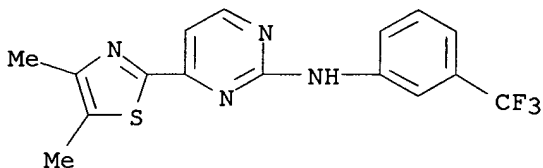
RN 862592-87-8 CAPLUS

CN Phenol, 3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



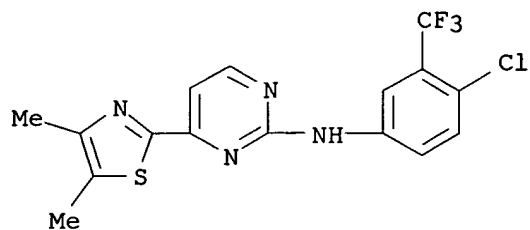
RN 862592-88-9 CAPLUS

CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



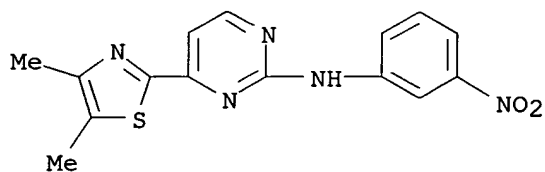
RN 862592-89-0 CAPLUS

CN 2-Pyrimidinamine, N-[4-chloro-3-(trifluoromethyl)phenyl]-4-(4,5-dimethyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



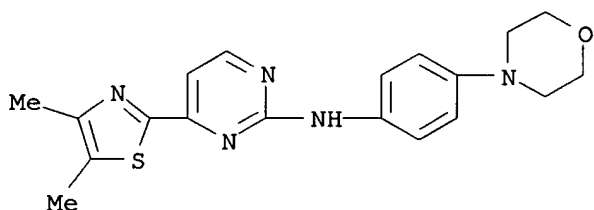
RN 862592-90-3 CAPLUS

CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-(3-nitrophenyl)- (9CI)
(CA INDEX NAME)



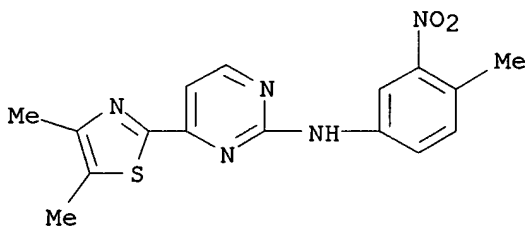
RN 862592-94-7 CAPLUS

CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-[4-(4-morpholinyl)phenyl]-
(9CI) (CA INDEX NAME)



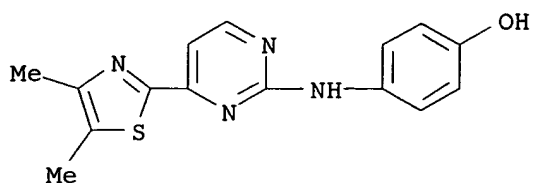
RN 862592-95-8 CAPLUS

CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-(4-methyl-3-nitrophenyl)-
(9CI) (CA INDEX NAME)



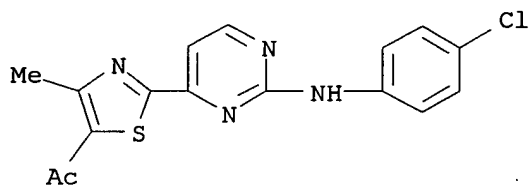
RN 862592-96-9 CAPLUS

CN Phenol, 4-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA
INDEX NAME)



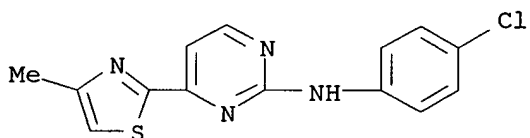
RN 862593-02-0 CAPLUS

CN Ethanone, 1-[2-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



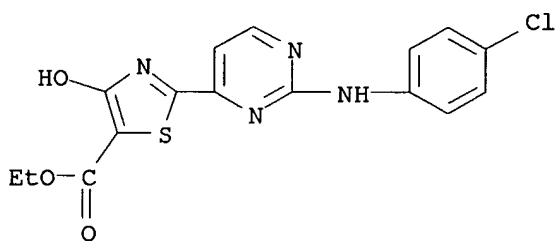
RN 862593-04-2 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



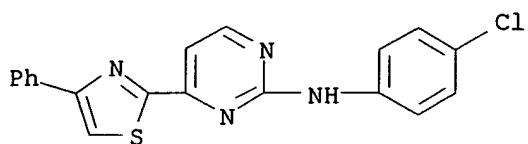
RN 862593-05-3 CAPLUS

CN 5-Thiazolecarboxylic acid, 2-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-hydroxy-, ethyl ester (9CI) (CA INDEX NAME)



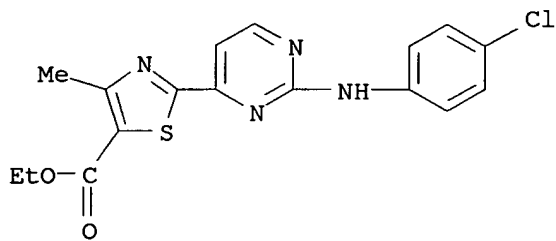
RN 862593-18-8 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(4-phenyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



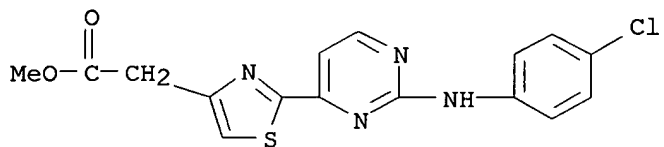
RN 862593-20-2 CAPLUS

CN 5-Thiazolecarboxylic acid, 2-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)

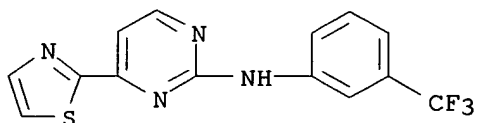


RN 862593-22-4 CAPLUS

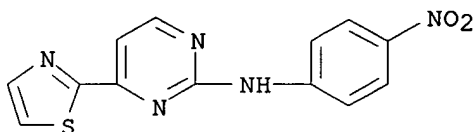
CN 4-Thiazoleacetic acid, 2-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-, methyl ester (9CI) (CA INDEX NAME)



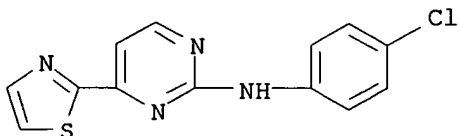
L4 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:821022 CAPLUS
 DN 143:367267
 TI Expedient parallel synthesis of 2-amino-4-heteroarylpyrimidines
 AU Bursavich, Matthew G.; Lombardi, Sabrina; Gilbert, Adam M.
 CS Exploratory Medicinal Chemistry, Chemical and Screening Sciences, Wyeth
 Research, Pearl River, NY, 10965, USA
 SO Organic Letters (2005), 7(19), 4113-4116
 CODEN: ORLEF7; ISSN: 1523-7060
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 143:367267
 AB An expedient synthesis of diverse 2-amino-4-heteroarylpyrimidines via a
 2-chloropyrimidine intermediate is described. A series of potentially
 biol. active analogs were synthesized in two parallel steps to afford
 focused arrays.
 IT **477769-42-9P 477769-45-2P 477769-51-0P**
477769-60-1P 477769-75-8P 866112-02-9P
866112-03-0P 866112-04-1P 866112-05-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of 2-anilino- and 2-amino acid-4-heteroarylpyrimidines via
 nucleophilic substitution)
 RN 477769-42-9 CAPLUS
 CN 2-Pyrimidinamine, 4-(2-thiazolyl)-N-[3-(trifluoromethyl)phenyl]- (9CI)
 (CA INDEX NAME)



RN 477769-45-2 CAPLUS
 CN 2-Pyrimidinamine, N-(4-nitrophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX
 NAME)

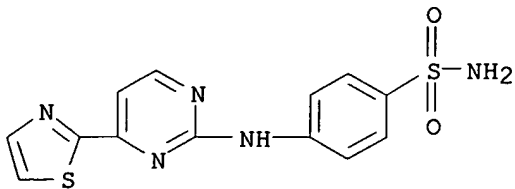


RN 477769-51-0 CAPLUS
 CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX
 NAME)



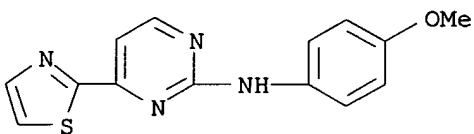
RN 477769-60-1 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



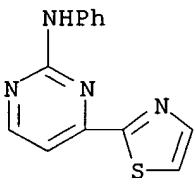
RN 477769-75-8 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxyphenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



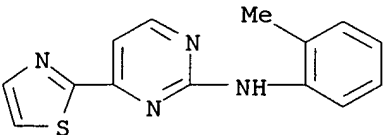
RN 866112-02-9 CAPLUS

CN 2-Pyrimidinamine, N-phenyl-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



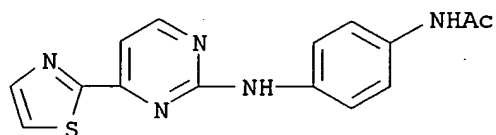
RN 866112-03-0 CAPLUS

CN 2-Pyrimidinamine, N-(2-methylphenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



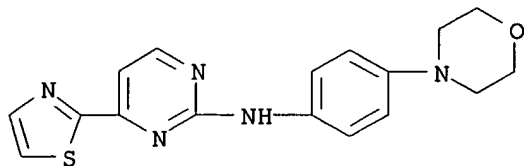
RN 866112-04-1 CAPLUS

CN Acetamide, N-[4-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 866112-05-2 CAPLUS

CN 2-Pyrimidinamine, N-[4-(4-morpholinyl)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:493687 CAPLUS
 DN 143:40009
 TI Homology model of CDK4 kinase for use in screening and design of drugs for treating proliferative disorders
 IN Mcinnes, Campbell; Thomas, Mark; Wang, Shudong; McLachlan, Janice; Meades, Christopher; Kontopidis, George; Wood, Gavin; Fischer, Peter
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 152 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----|--|------|----------|-----------------|----------|
| PI | WO 2005052147 | A2 | 20050609 | WO 2004-GB4793 | 20041111 |
| | WO 2005052147 | A3 | 20051124 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRAI GB 2003-27380 A 20031125

AB The present invention relates to a homol. model for CDK4 kinase, and the use thereof in assays for the identification of small mol. CDK4 kinase modulators. The atomic structure coordinates of the CDK4 kinase homol. model are provided. The invention further relates to CDK4 kinase modulators identified by said assays, and their use in the treatment of CDK4 kinase-related disorders such as proliferative disorders, e.g., cancer. Preparation of CDK4 kinase-modulating aminopyrimidine compds. is reported.

IT **693228-65-8P 693229-61-7P 693230-49-8P**

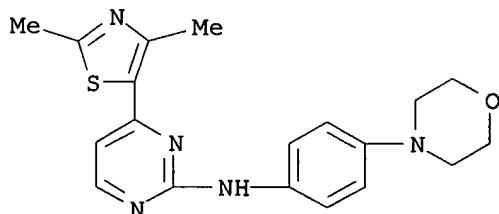
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);

BIOL (Biological study); PREP (Preparation)

(preparation of CDK4 kinase modulators; homol. model of CDK4 kinase for use in screening and design of drugs for treating proliferative disorders)

RN 693228-65-8 CAPLUS

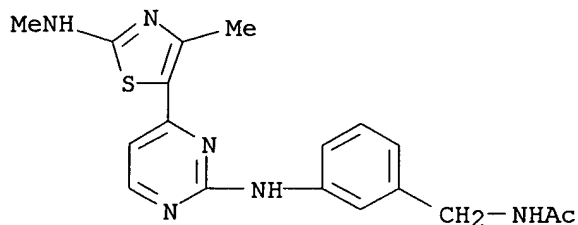
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]-
 (9CI) (CA INDEX NAME)



RN 693229-61-7 CAPLUS

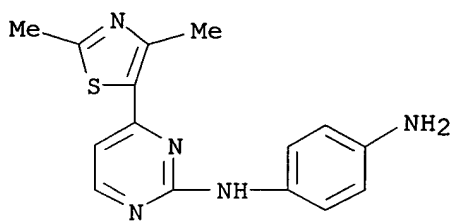
CN Acetamide, N-[[3-[[4-[4-methyl-2-(methyamino)-5-thiazolyl]-2-

pyrimidinyl]amino]phenyl)methyl]- (9CI) (CA INDEX NAME)



RN 693230-49-8 CAPLUS

CN 1,4-Benzenediamine, N-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]- (9CI)
(CA INDEX NAME)



IT 693228-73-8P 693228-77-2P 693228-83-0P

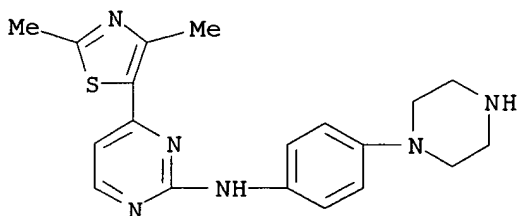
693229-59-3P 693229-65-1P 693229-69-5P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of CDK4 kinase modulators; homol. model of CDK4 kinase for use
in screening and design of drugs for treating proliferative disorders)

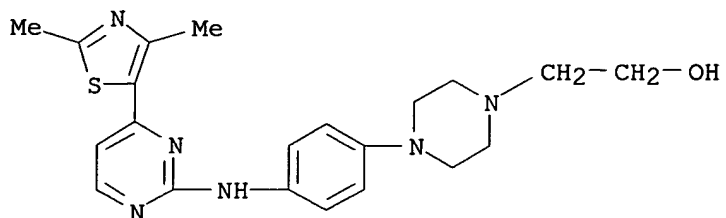
RN 693228-73-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(1-piperazinyl)phenyl]-
(9CI) (CA INDEX NAME)



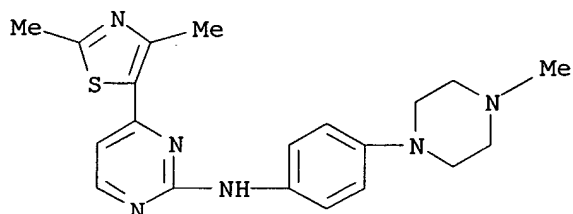
RN 693228-77-2 CAPLUS

CN 1-Piperazineethanol, 4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



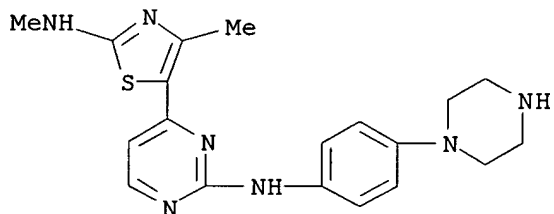
RN 693228-83-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-methyl-1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



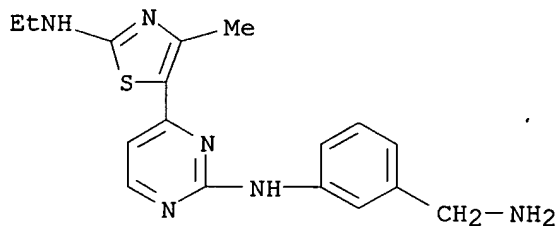
RN 693229-59-3 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 693229-65-1 CAPLUS

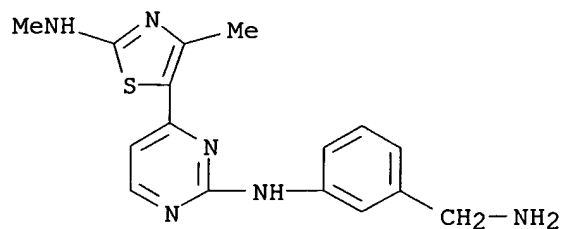
CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



RN 693229-69-5 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-[4-methyl-2-(methylamino)-5-

thiazolyl]- (9CI) (CA INDEX NAME)

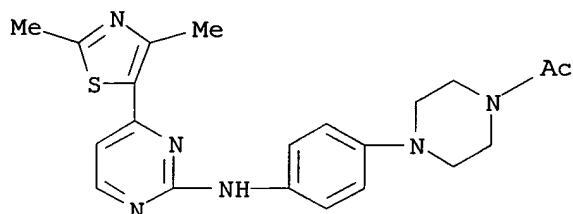
IT **693228-71-6 693229-57-1**

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of CDK4 kinase modulators; homol. model of CDK4 kinase for use in screening and design of drugs for treating proliferative disorders)

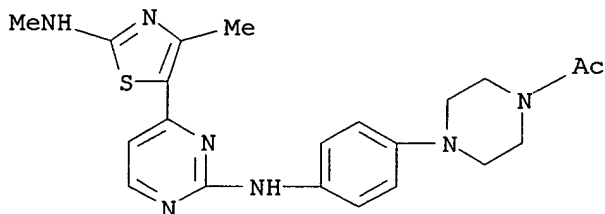
RN 693228-71-6 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 693229-57-1 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:451562 CAPLUS
 DN 143:3240
 TI Use of crystal structure of Plk1 kinase in screening for inhibitors for treatment of cancer, glomerulonephritis, rheumatoid arthritis, psoriasis and chronic obstructive pulmonary disorder
 IN McInnes, Campbell; McLachlan, Janice; Mezna, Mokdad; Fischer, Peter
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 184 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2005047526 | A2 | 20050526 | WO 2004-GB4762 | 20041112 |
| | WO 2005047526 | A3 | 20051208 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI GB 2003-26396 A 20031112

AB The preset invention provides use of crystal structure of protein Plk1 kinase in screening for inhibitors for treatment of cancer, glomerulonephritis, rheumatoid arthritis, psoriasis and chronic obstructive pulmonary disorder. Plk1 kinase inhibitors include 5'-thioadenosine, staurosporine, wortmannin, purvalanol A, LY294002, quercetin, morin hydrate and their derivs. and 4-[4-(4-methyl-2-methylaminothiazol-5-yl)-pyrimidin-2-ylamino]-phenol, 4-[4-(2,4-dimethyl-thiazol-5-yl)-pyrimidin-2-ylamino]-phenol, and 4-[4-(2-amino-4-methyl-thiazol-5-yl)-pyrimidin-2-ylamino]-phenol.

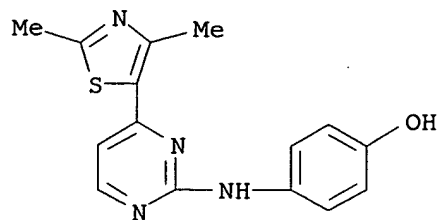
IT 364334-10-1 364334-30-5 364334-83-8

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(as protein Plk1 kinase inhibitor; crystal structure of Plk1 kinase and its use in screening for inhibitors in treating cancer, glomerulonephritis, rheumatoid arthritis, psoriasis and chronic obstructive pulmonary disorder)

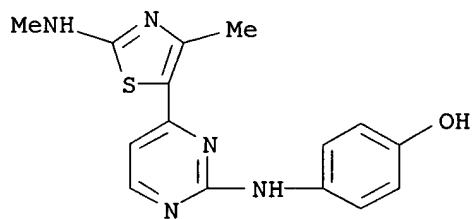
RN 364334-10-1 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



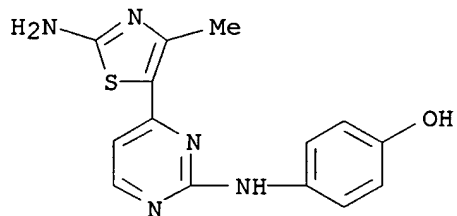
RN 364334-30-5 CAPLUS

CN Phenol, 4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)



RN 364334-83-8 CAPLUS

CN Phenol, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)



L4 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:409513 CAPLUS

DN 142:463748

TI Preparation of pyrimidinylthiazolone compounds as protein kinase inhibitors

IN Wang, Shudong; Wood, Gavin; Duncan, Kenneth W.; Meades, Christopher; Gibson, Darren; McLachlan, Janice C.; Perry, Alex; Blake, David; Zheleva, Daniella I.; Fischer, Peter M.

PA Cyclacel Limited, UK

SO PCT Int. Appl., 105 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2005042525 | A1 | 20050512 | WO 2004-GB4465 | 20041021 |
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| | RW: | | | | |
| | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2004285745 | A1 | 20050512 | AU 2004-285745 | 20041021 |
| PRAI | GB 2003-24599 | A | 20031021 | | |
| | GB 2003-30013 | A | 20031224 | | |
| | WO 2004-GB4465 | W | 20041021 | | |

OS MARPAT 142:463748

AB Title compds. I [wherein R1, R5 = H or (un)substituted hydrocarbyl; R2 - R4 = H, (un)substituted alkyl or alkenyl; etc., or pharmaceutically acceptable salts thereof] were prepared as inhibitors of one or more protein kinases. For example, cyclization of NH₂COSK with 3-chloropentane-2,4-dione in acetone to a thiazolone (100% yield) II (R = H) followed by N-alkylation with iodoethane in the presence of KOH afforded II (R = Et) (64% yield). This ketone underwent condensation with DMF di-Me acetal (30% yield) and subsequent cyclization with N-(6-methoxypyridin-3-yl)guanidine nitrate to give III. Biol. data showed that the invented compds. were inhibitors of CDK and GSK enzymes and so on. Therefore, I and their pharmaceutical compns. are useful for treating diseases, such as proliferative disorders and diabetes.

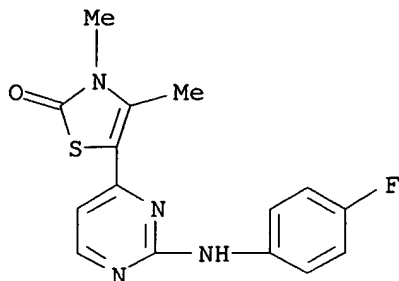
IT **693290-51-6P**, 5-[2-(4-Fluorophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

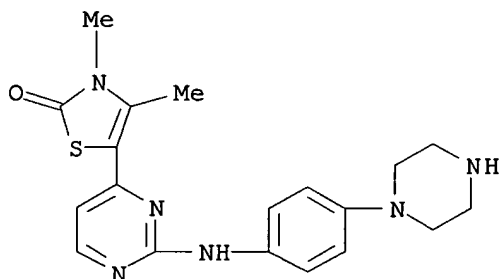
(kinase inhibitor, crystal structure; preparation of pyrimidinylthiazolone compds. as protein kinase inhibitors)

RN 693290-51-6 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl-(9CI) (CA INDEX NAME)



IT **851439-14-0P**, 3,4-Dimethyl-5-[2-[[4-(piperazin-1-yl)phenyl]amino]pyrimidin-4-yl]-3H-thiazol-2-one
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (kinase inhibitor; preparation of pyrimidinylthiazolone compds. as protein kinase inhibitors)
 RN 851439-14-0 CAPLUS
 CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(1-piperazinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



IT **693229-94-6P**, 3,4-Dimethyl-5-[2-[[4-(morpholin-4-yl)phenyl]amino]pyrimidin-4-yl]-3H-thiazol-2-one **693229-96-8P**, 3,4-Dimethyl-5-[2-[[4-(4-methylpiperazin-1-yl)phenyl]amino]pyrimidin-4-yl]-3H-thiazol-2-one **693290-48-1P**, 5-[2-(4-Hydroxyphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-49-2P**, 3,4-Dimethyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **693290-50-5P**, 5-[2-(4-Iodophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-52-7P**, 5-[2-(4-Chlorophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-53-8P**, 5-[2-(4-Methoxyphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-54-9P**, 5-[2-(3-Hydroxyphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-55-0P**, 5-[2-(4-Fluoro-3-nitrophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-56-1P**, 5-[2-(4-Chloro-3-methylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-57-2P**, 5-[2-(3-Iodo-4-methylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-58-3P**, 5-[2-(4-Fluoro-3-methylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-59-4P**, 3,4-Dimethyl-5-[2-(4-methyl-3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **693290-60-7P**, 5-[2-(4-Dimethylaminophenylamino)pyrimidin-4-yl]-3,4-

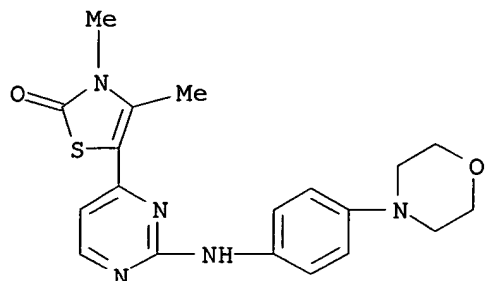
dimethyl-3H-thiazol-2-one **851438-94-3P**, 5-[2-(4-Bromophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851438-95-4P**, 3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzonitrile **851438-96-5P**, 5-[2-[[4-(4-Acetylpiperazin-1-yl)phenyl]amino]pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851438-97-6P**, 5-[2-[(4-Chloro-3-(hydroxymethyl)phenyl)amino]pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851438-98-7P**, 3,4-Dimethyl-5-[2-(3-trifluoromethylphenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851438-99-8P**, 3,4-Dimethyl-5-[2-(2-methyl-5-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851439-00-4P**, 3,4-Dimethyl-5-[2-[(4-methyl-3-trifluoromethylphenyl)amino]pyrimidin-4-yl]-3H-thiazol-2-one **851439-01-5P**, 5-[2-[(4-Dimethylamino-3-nitrophenyl)amino]pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-02-6P**, 3-Ethyl-4-methyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851439-03-7P**, 2-Chloro-5-[4-(3-ethyl-4-methyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzoic acid **851439-04-8P**, 2-Chloro-5-[4-(3-ethyl-4-methyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzoic acid methyl ester **851439-05-9P**, 5-[2-((4-Dimethylaminophenyl)amino)pyrimidin-4-yl]-3-ethyl-4-methyl-3H-thiazol-2-one **851439-06-0P**, 3-Ethyl-4-methyl-5-[2-[[4-(morpholin-4-yl)phenyl]amino]pyrimidin-4-yl]-3H-thiazol-2-one **851439-07-1P**, 3-Ethyl-4-methyl-5-[2-(4-methyl-3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851439-08-2P**, 5-[2-((4-Dimethylamino-3-nitrophenyl)amino)pyrimidin-4-yl]-3-ethyl-4-methyl-3H-thiazol-2-one **851439-09-3P**, 4-Methyl-3-(3-methylbutyl)-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851439-10-6P**, 5-[2-(4-Chlorophenylamino)pyrimidin-4-yl]-4-methyl-3-(3-methylbutyl)-3H-thiazol-2-one **851439-13-9P**, 5-[2-((2-Dimethylamino-5-nitrophenyl)amino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-15-1P**, 5-[2-(3-Amino-4-methylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-16-2P**, 4-Methyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851439-17-3P**, 4-Methyl-5-[2-(4-methyl-3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851439-18-4P**, N-[3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzyl]acetamide **851439-19-5P**, 3-Ethyl-5-[2-(3-hydroxyphenylamino)pyrimidin-4-yl]-4-methyl-3H-thiazol-2-one **851439-20-8P**, 5-[2-[[3-Chloro-4-(piperazin-1-yl)phenyl]amino]pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-21-9P**, 3-Ethyl-5-[2-(4-fluorophenylamino)pyrimidin-4-yl]-4-methyl-3H-thiazol-2-one **851439-22-0P**, 5-[2-(4-Chlorophenylamino)pyrimidin-4-yl]-3-ethyl-4-methyl-3H-thiazol-2-one **851439-23-1P**, 3-Ethyl-5-[2-(3-hydroxy-4-methylphenylamino)pyrimidin-4-yl]-4-methyl-3H-thiazol-2-one **851439-24-2P**, 5-[2-(4-Chloro-3-trifluoromethylphenylamino)pyrimidin-4-yl]-3-ethyl-4-methyl-3H-thiazol-2-one **851439-25-3P**, 5-[2-[[3-(4-Acetylpiperazin-1-yl)phenyl]amino]pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-26-4P**, 3-Ethyl-5-[2-(3-methoxyphenylamino)pyrimidin-4-yl]-4-methyl-3H-thiazol-2-one **851439-27-5P**, 5-[2-(4-Chloro-3-methylphenylamino)pyrimidin-4-yl]-3-ethyl-4-methyl-3H-thiazol-2-one **851439-28-6P**, 3-Ethyl-4-methyl-5-[2-(4-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **851439-29-7P**, 4-[4-(3-Ethyl-4-methyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzenesulfonic acid **851439-30-0P**, 3-[4-(3-Ethyl-4-methyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzenesulfonic acid **851439-31-1P**, N-[3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzyl]methanesulfonamide **851439-32-2P**, 5-[2-(5-Methoxy-2-methylphenylamino)pyrimidin-4-

yl]-3,4-dimethyl-3H-thiazol-2-one **851439-33-3P**,
 N-[3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzyl]benzamide **851439-34-4P**, N-[3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzyl]-1,1,1-trifluoromethanesulfonamide **851439-35-5P**, N-[4-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzyl]acetamide **851439-36-6P**, 3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzenesulfonamide **851439-37-7P**, 3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-N-isopropyl-4-methylbenzamide **851439-38-8P**, 3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-N-ethylbenzenesulfonamide **851439-39-9P**, 5-[2-[(5-Hydroxymethyl-2-methylphenyl)amino]pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-40-2P**, N-[3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-5-trifluoromethylphenyl]acetamide **851439-41-3P**, 4-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-N-(2-methoxyethyl)benzenesulfonamide **851439-42-4P**, 5-[2-(4-Chloro-3-trifluoromethylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-43-5P**, 3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-N-(2-methoxyethyl)benzenesulfonamide **851439-44-6P**, 5-[2-(3-Bromo-5-trifluoromethylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-45-7P**, 5-[2-[[4-(4-Benzylpiperazin-1-yl)phenyl]amino]pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-46-8P**, 4-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-2-trifluoromethylbenzonitrile **851439-47-9P**, 5-[2-(3-Amino-5-trifluoromethylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-48-0P**, 4-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-N-(2-hydroxyethyl)benzenesulfonamide **851439-49-1P**, N-Benzyl-4-[4-(3,4-dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzenesulfonamide **851439-50-4P**, 3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-N-isopropylbenzenesulfonamide **851439-51-5P**, 3-[4-(3,4-Dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]-N-(2-hydroxyethyl)benzenesulfonamide **851439-52-6P**, 3,4-Dimethyl-5-[2-[(3-methylamino-5-trifluoromethylphenyl)amino]pyrimidin-4-yl]-3H-thiazol-2-one **851439-53-7P**, N-Benzyl-3-[4-(3,4-dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzenesulfonamide **851439-54-8P**, 3,4-Dimethyl-5-[2-[[4-methyl-3-[(morpholin-4-yl)sulfonyl]phenyl]amino]pyrimidin-4-yl]-3H-thiazol-2-one **851439-55-9P**, 3,4-Dimethyl-5-[2-[[3-[(morpholin-4-yl)sulfonyl]phenyl]amino]pyrimidin-4-yl]-3H-thiazol-2-one **851439-56-0P**, 5-[2-((4-Aminomethylphenyl)amino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **851439-58-2P**, Pyridine-2-carboxylic acid N-[4-[4-(3,4-dimethyl-2-oxo-2,3-dihydrothiazol-5-yl)pyrimidin-2-ylamino]benzyl]amide **851439-65-1P** **851439-66-2P**
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(kinase inhibitor; preparation of pyrimidinylthiazolone compds. as protein kinase inhibitors)

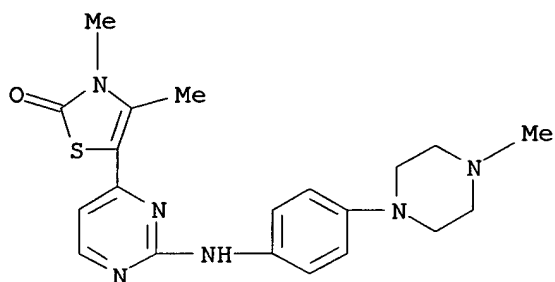
RN 693229-94-6 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



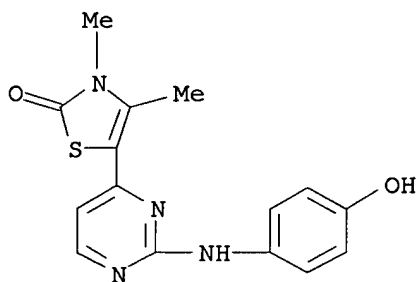
RN 693229-96-8 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(4-methyl-1-piperazinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



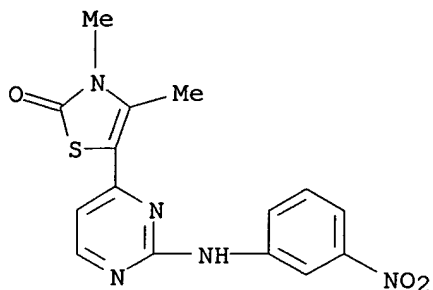
RN 693290-48-1 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-hydroxyphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



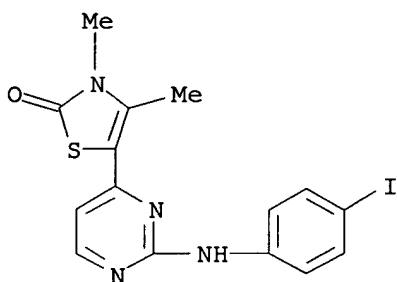
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CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



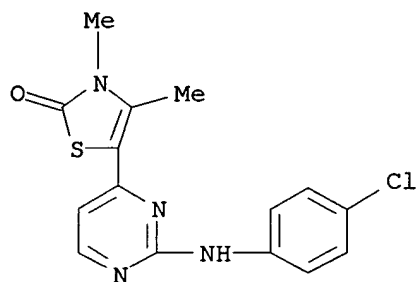
RN 693290-50-5 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-iodophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl-
(9CI) (CA INDEX NAME)



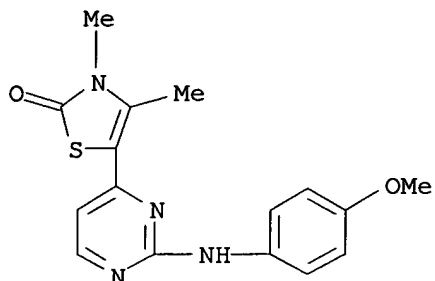
RN 693290-52-7 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl-
(9CI) (CA INDEX NAME)



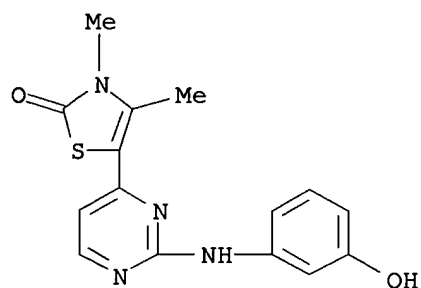
RN 693290-53-8 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-methoxyphenyl)amino]-4-pyrimidinyl]-3,4-
dimethyl- (9CI) (CA INDEX NAME)



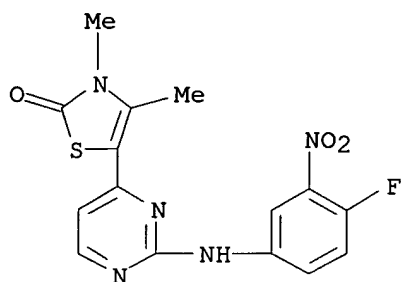
RN 693290-54-9 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(3-hydroxyphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



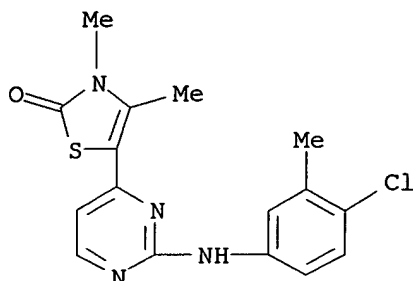
RN 693290-55-0 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluoro-3-nitrophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



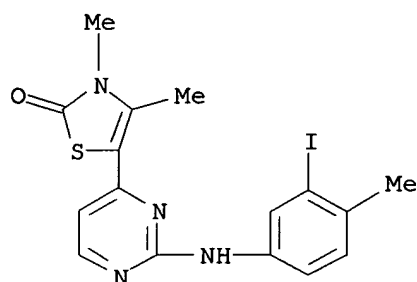
RN 693290-56-1 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chloro-3-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



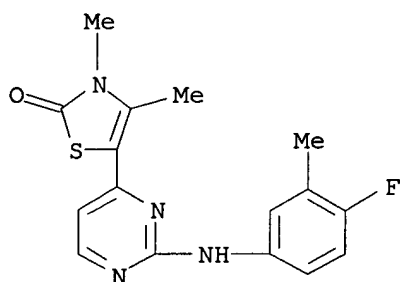
RN 693290-57-2 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(3-iodo-4-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



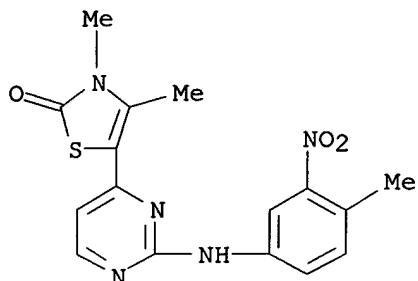
RN 693290-58-3 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluoro-3-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



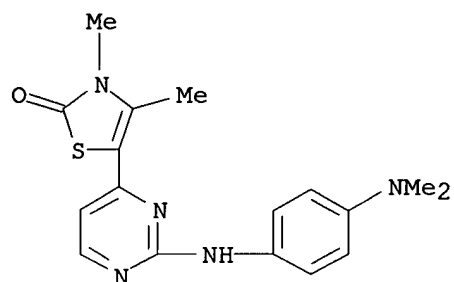
RN 693290-59-4 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[(4-methyl-3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



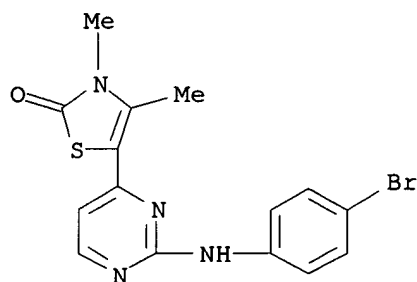
RN 693290-60-7 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-(dimethylamino)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



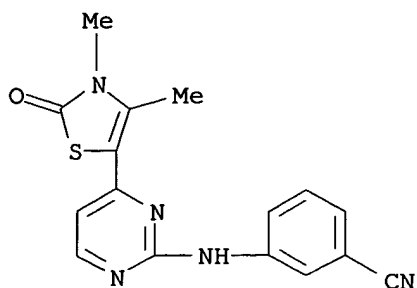
RN 851438-94-3 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-bromophenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



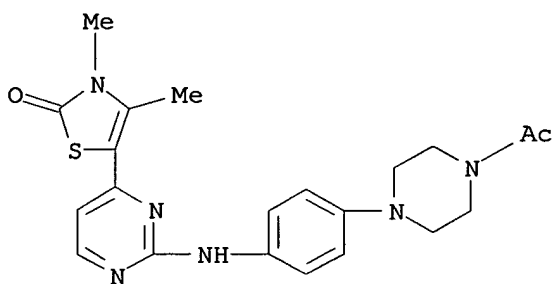
RN 851438-95-4 CAPLUS

CN Benzonitrile, 3-[[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



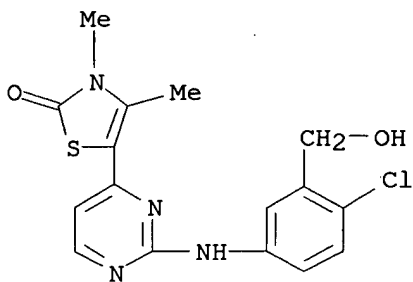
RN 851438-96-5 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



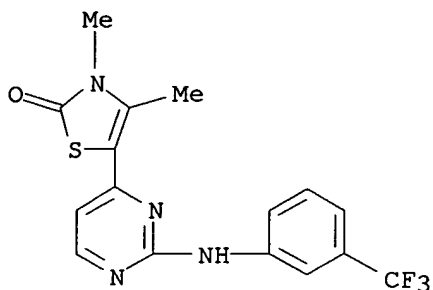
RN 851438-97-6 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-chloro-3-(hydroxymethyl)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



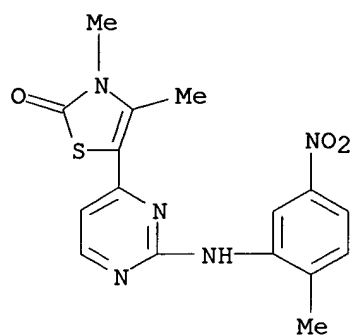
RN 851438-98-7 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[3-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



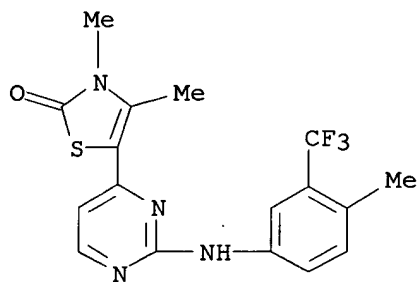
RN 851438-99-8 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[(2-methyl-5-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



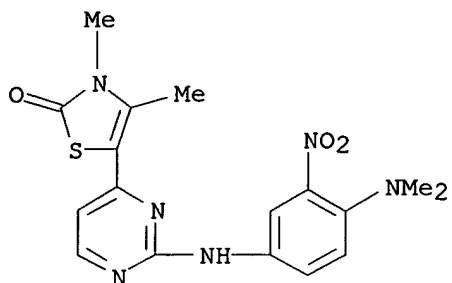
RN 851439-00-4 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-methyl-3-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



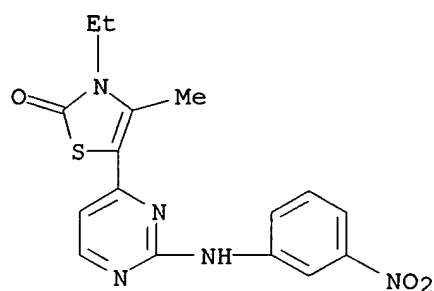
RN 851439-01-5 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-(dimethylamino)-3-nitrophenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



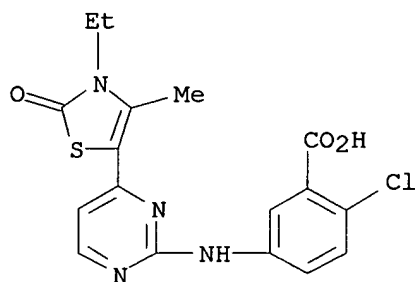
RN 851439-02-6 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



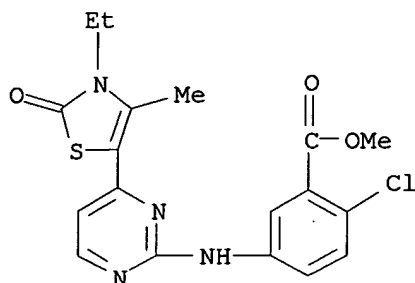
RN 851439-03-7 CAPLUS

CN Benzoic acid, 2-chloro-5-[[4-(3-ethyl-2,3-dihydro-4-methyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



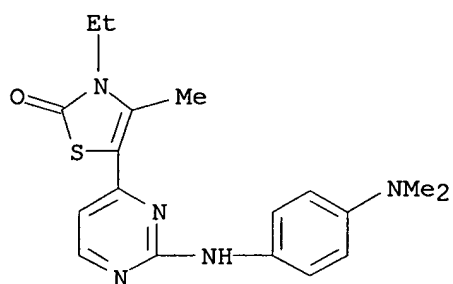
RN 851439-04-8 CAPLUS

CN Benzoic acid, 2-chloro-5-[[4-(3-ethyl-2,3-dihydro-4-methyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



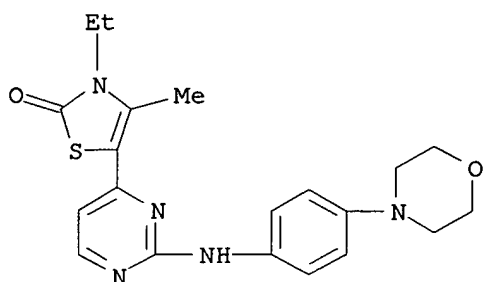
RN 851439-05-9 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-(dimethylamino)phenyl]amino]-4-pyrimidinyl]-3-ethyl-4-methyl- (9CI) (CA INDEX NAME)



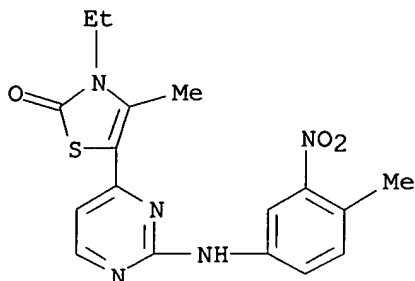
RN 851439-06-0 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-4-methyl-5-[2-[[4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



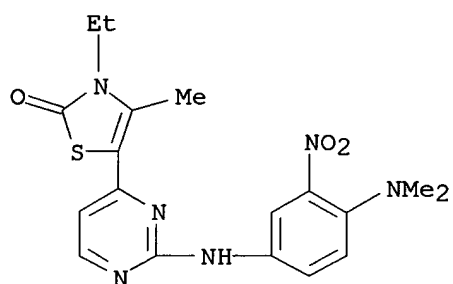
RN 851439-07-1 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-4-methyl-5-[2-[[4-methyl-3-nitrophenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



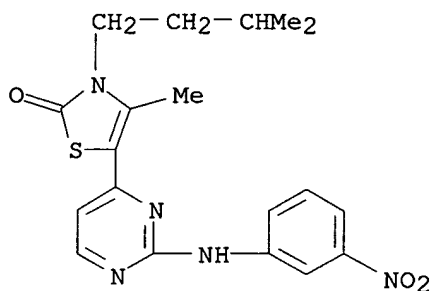
RN 851439-08-2 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-(dimethylamino)-3-nitrophenyl]amino]-4-pyrimidinyl]-3-ethyl-4-methyl- (9CI) (CA INDEX NAME)



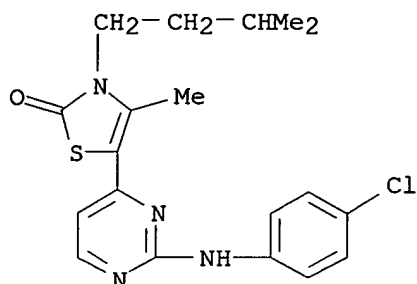
RN 851439-09-3 CAPLUS

CN 2(3H)-Thiazolone, 4-methyl-3-(3-methylbutyl)-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



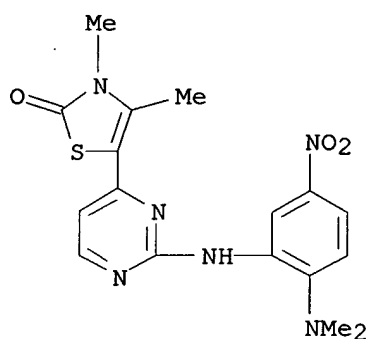
RN 851439-10-6 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-3-(3-methylbutyl)- (9CI) (CA INDEX NAME)



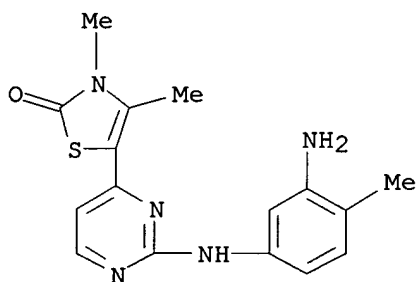
RN 851439-13-9 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[2-(dimethylamino)-5-nitrophenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



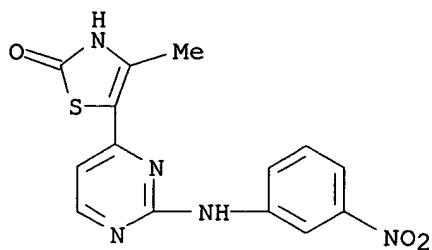
RN 851439-15-1 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(3-amino-4-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



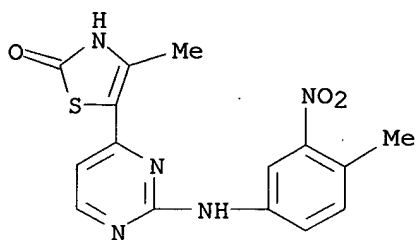
RN 851439-16-2 CAPLUS

CN 2(3H)-Thiazolone, 4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



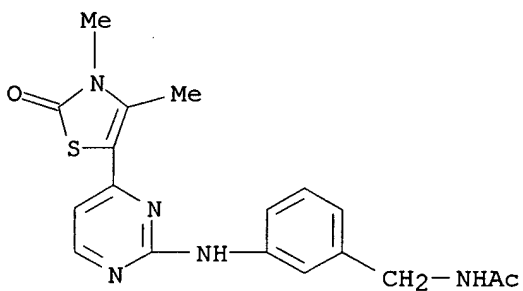
RN 851439-17-3 CAPLUS

CN 2(3H)-Thiazolone, 4-methyl-5-[2-[(4-methyl-3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



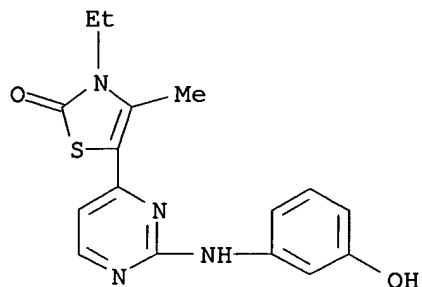
RN 851439-18-4 CAPLUS

CN Acetamide, N-[[[3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



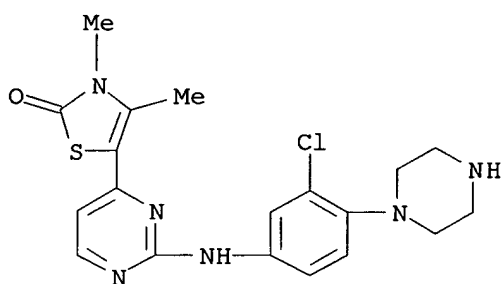
RN 851439-19-5 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-5-[2-[(3-hydroxyphenyl)amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



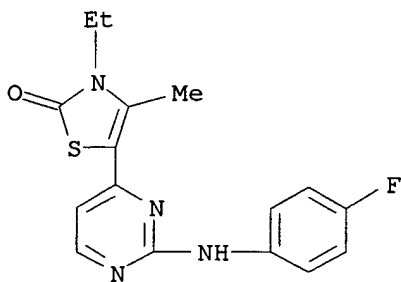
RN 851439-20-8 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[3-chloro-4-(1-piperazinyl)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



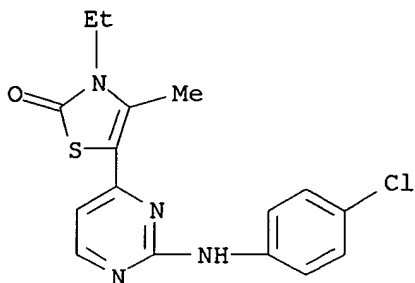
RN 851439-21-9 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



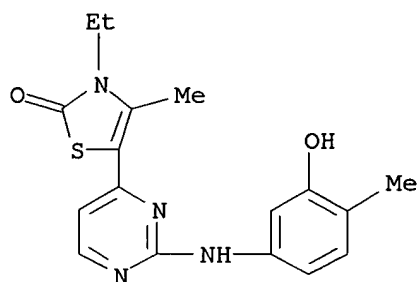
RN 851439-22-0 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-3-ethyl-4-methyl- (9CI) (CA INDEX NAME)



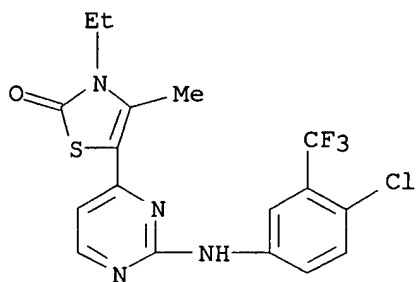
RN 851439-23-1 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-5-[2-[(3-hydroxy-4-methylphenyl)amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



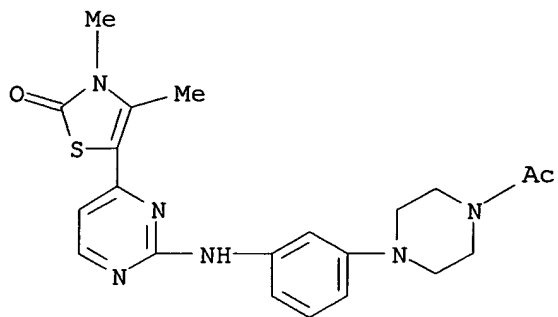
RN 851439-24-2 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-chloro-3-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-3-ethyl-4-methyl- (9CI) (CA INDEX NAME)



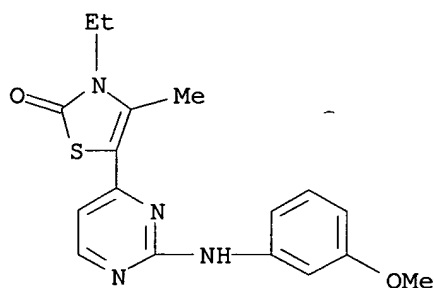
RN 851439-25-3 CAPLUS

CN Piperazine, 1-acetyl-4-[3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



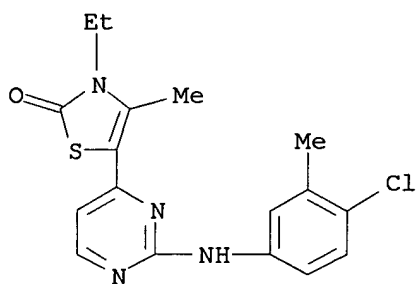
RN 851439-26-4 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-5-[2-[(3-methoxyphenyl)amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



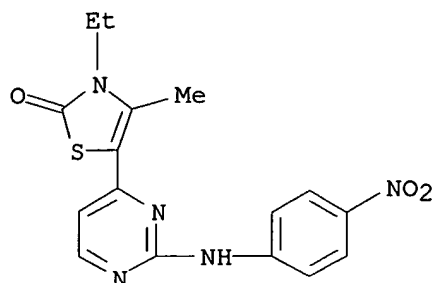
RN 851439-27-5 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chloro-3-methylphenyl)amino]-4-pyrimidinyl]-3-ethyl-4-methyl- (9CI) (CA INDEX NAME)



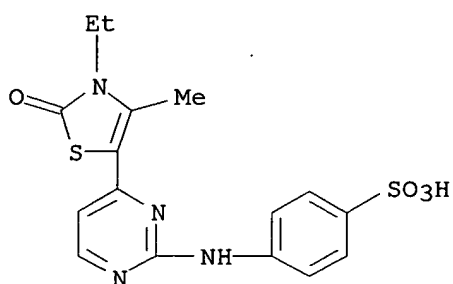
RN 851439-28-6 CAPLUS

CN 2(3H)-Thiazolone, 3-ethyl-4-methyl-5-[2-[(4-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



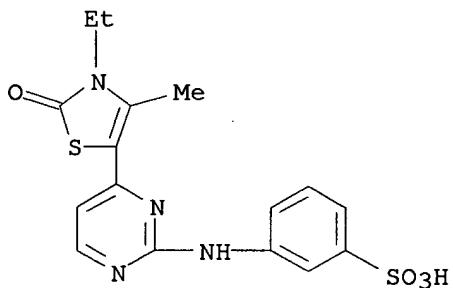
RN 851439-29-7 CAPLUS

CN Benzenesulfonic acid, 4-[[4-(3-ethyl-2,3-dihydro-4-methyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



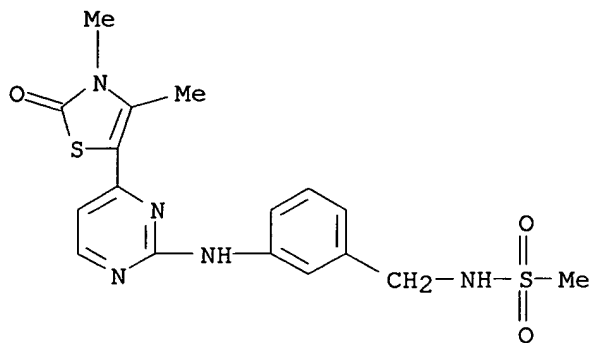
RN 851439-30-0 CAPLUS

CN Benzenesulfonic acid, 3-[[4-(3-ethyl-2,3-dihydro-4-methyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

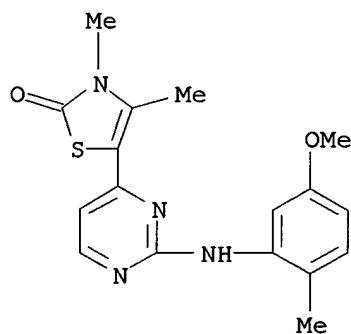


RN 851439-31-1 CAPLUS

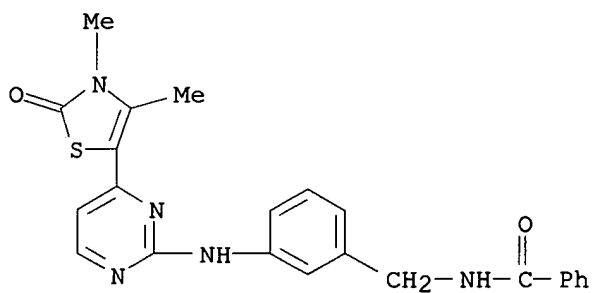
CN Methanesulfonamide, N-[[3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



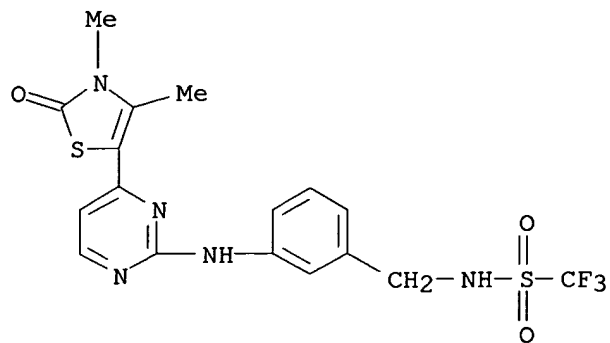
RN 851439-32-2 CAPLUS
 CN 2(3H)-Thiazolone, 5-[2-[(5-methoxy-2-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



RN 851439-33-3 CAPLUS
 CN Benzamide, N-[[3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)

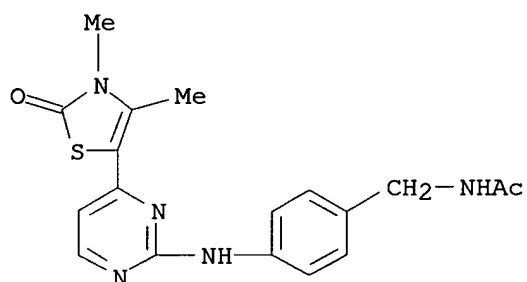


RN 851439-34-4 CAPLUS
 CN Methanesulfonyl derivative of the previous structure, N-[[3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]-1,1,1-trifluoro- (9CI) (CA INDEX NAME)



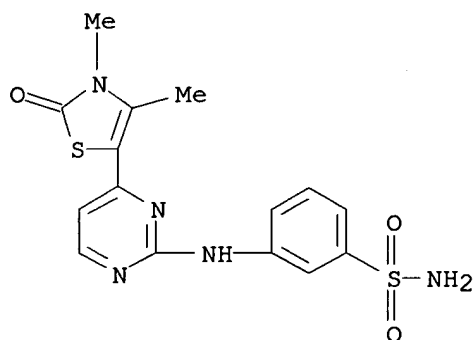
RN 851439-35-5 CAPLUS

CN Acetamide, N-[[4-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



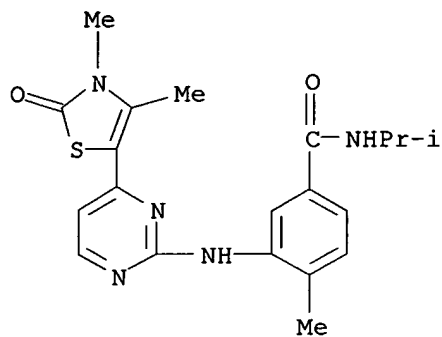
RN 851439-36-6 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



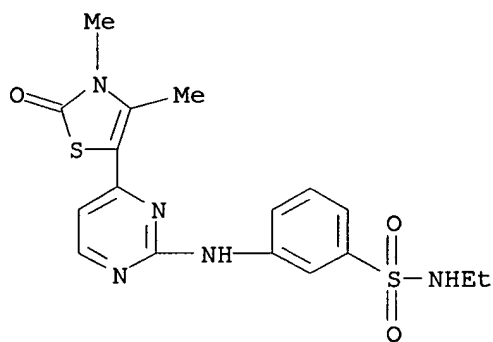
RN 851439-37-7 CAPLUS

CN Benzamide, 3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-4-methyl-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



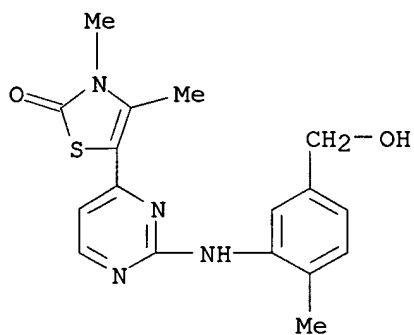
RN 851439-38-8 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-ethyl- (9CI) (CA INDEX NAME)



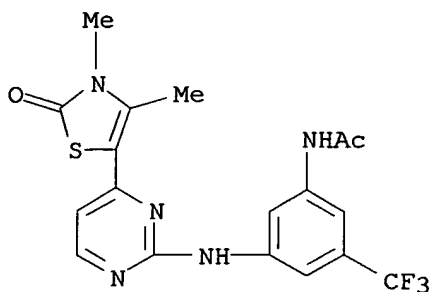
RN 851439-39-9 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[5-(hydroxymethyl)-2-methylphenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



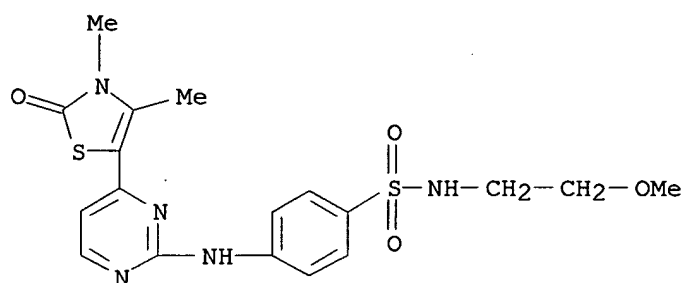
RN 851439-40-2 CAPLUS

CN Acetamide, N-[3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



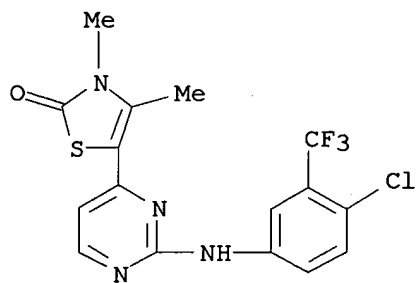
RN 851439-41-3 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



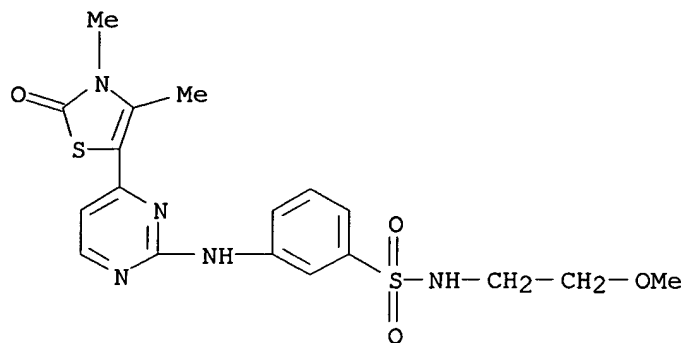
RN 851439-42-4 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-chloro-3-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



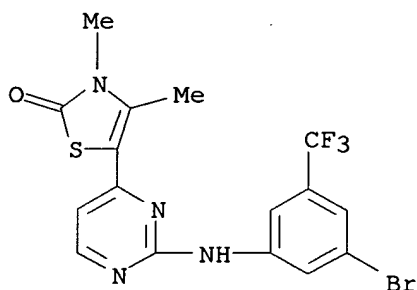
RN 851439-43-5 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



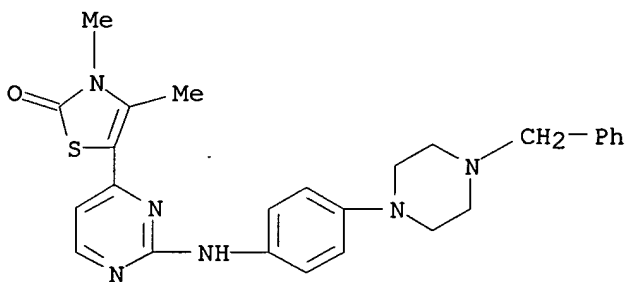
RN 851439-44-6 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[3-bromo-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



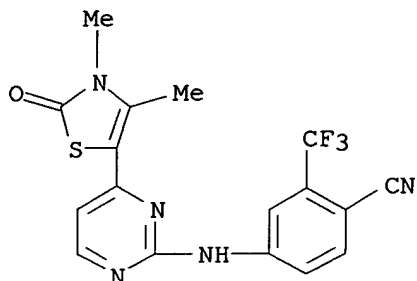
RN 851439-45-7 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(phenylmethyl)-1-piperazinyl]phenyl]amino]-4-pyrimidinyl- (9CI) (CA INDEX NAME)



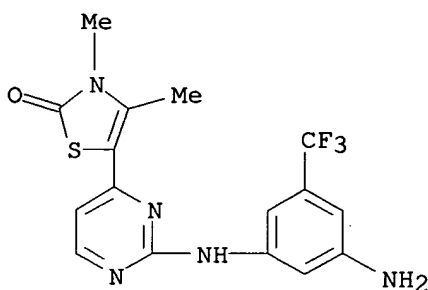
RN 851439-46-8 CAPLUS

CN Benzonitrile, 4-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



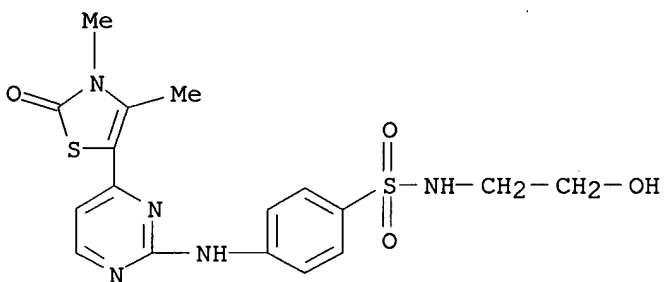
RN 851439-47-9 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[3-amino-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



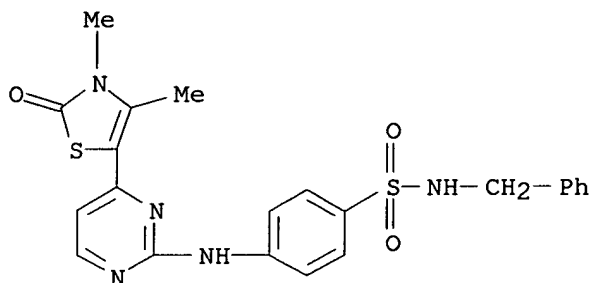
RN 851439-48-0 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



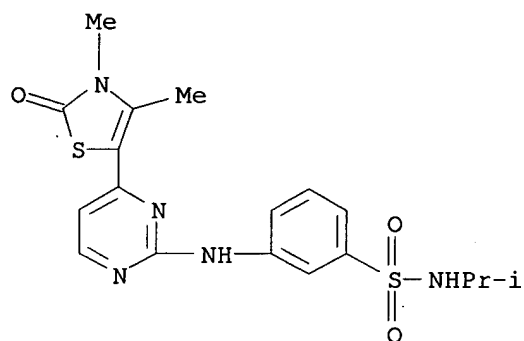
RN 851439-49-1 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



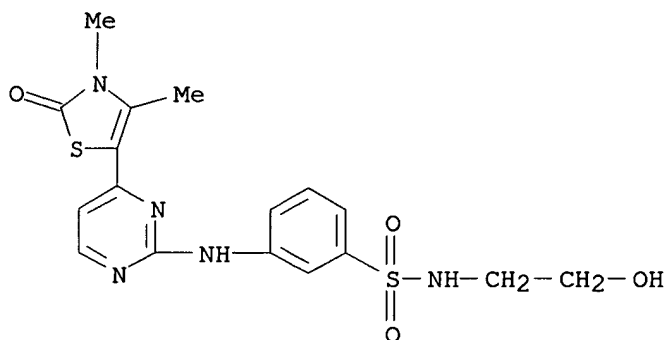
RN 851439-50-4 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



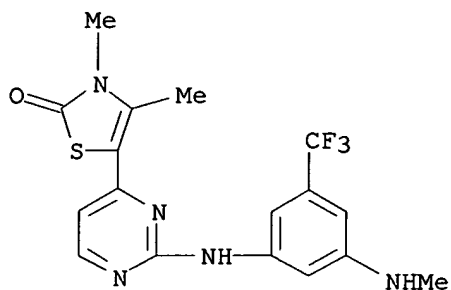
RN 851439-51-5 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



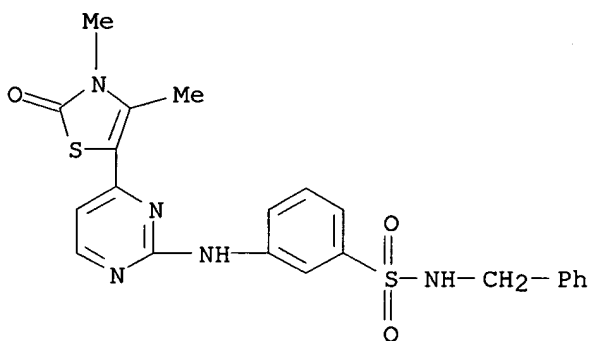
RN 851439-52-6 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[3-(methylanino)-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



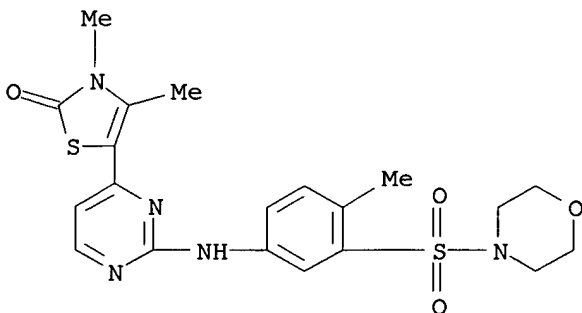
RN 851439-53-7 CAPLUS

CN Benzenesulfonamide, 3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



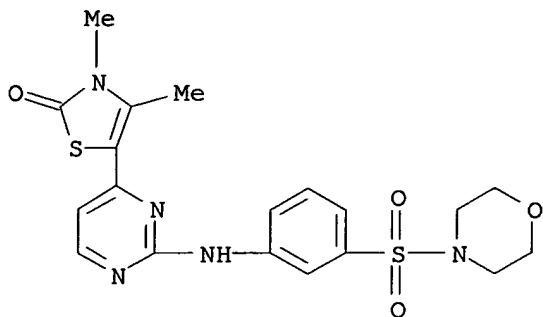
RN 851439-54-8 CAPLUS

CN Morpholine, 4-[[5-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]-2-methylphenyl]sulfonyl]- (9CI) (CA INDEX NAME)



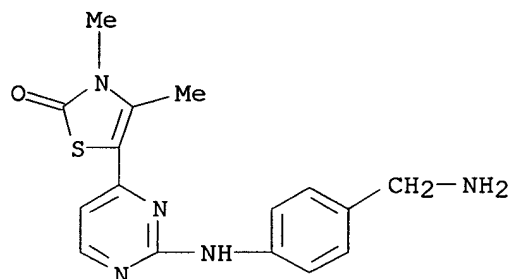
RN 851439-55-9 CAPLUS

CN Morpholine, 4-[[3-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



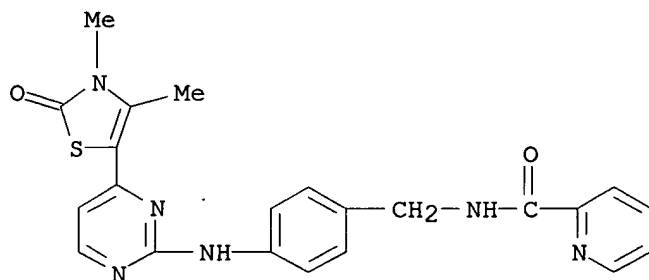
RN 851439-56-0 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-(aminomethyl)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



RN 851439-58-2 CAPLUS

CN 2-Pyridinecarboxamide, N-[[4-[[4-(2,3-dihydro-3,4-dimethyl-2-oxo-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 851439-65-1 CAPLUS

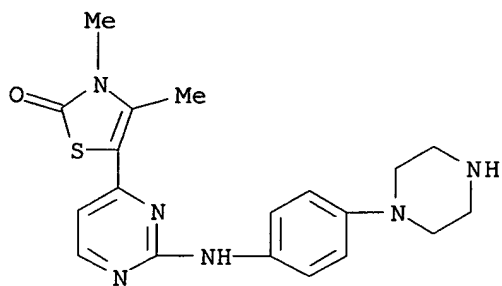
CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(1-piperazinyl)phenyl]amino]-4-pyrimidinyl]-, dimethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 851439-14-0

CMF C19 H22 N6 O S

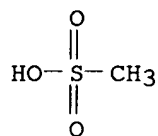
10/810,767



CM 2

CRN 75-75-2

CMF C H4 O3 S



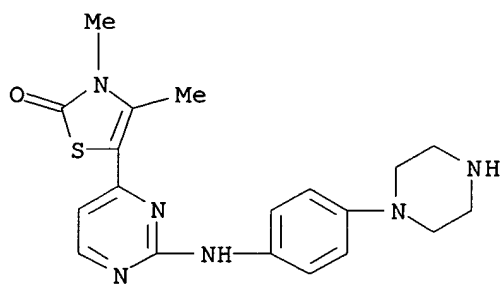
RN 851439-66-2 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(1-piperazinyl)phenyl]amino]-4-pyrimidinyl]-, ethanedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 851439-14-0

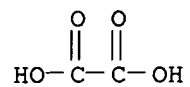
CMF C19 H22 N6 O S



CM 2

CRN 144-62-7

CMF C2 H2 O4



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:1124644 CAPLUS
 DN 142:74589
 TI 2-Aminopyrimidine derivatives as Raf kinase inhibitors, process for their preparation, and their use, e.g., in the treatment of proliferative diseases such as cancer
 IN Batt, David Bryant; Ramsey, Timothy Michael; Sabio, Michael Lloyd
 PA Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
 SO PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004110452 | A1 | 20041223 | WO 2004-EP6317 | 20040611 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2004246800 | A1 | 20041223 | AU 2004-246800 | 20040611 |
| | CA 2529090 | AA | 20041223 | CA 2004-2529090 | 20040611 |
| | EP 1635835 | A1 | 20060322 | EP 2004-739809 | 20040611 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | |
| PRAI | US 2003-478709P | P | 20030613 | | |
| | WO 2004-EP6317 | W | 20040611 | | |

OS MARPAT 142:74589

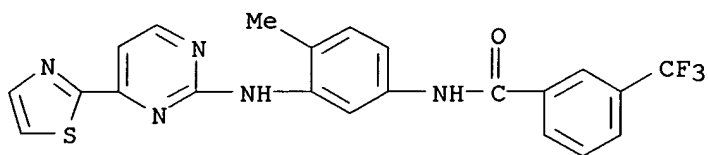
AB The application discloses compds. that inhibit Raf kinase, having formula I [wherein R1 is an (un)substituted Ph or heteroaryl radical; and R2 is an (un)substituted Ph radical; or an N-oxide or pharmaceutically acceptable salt thereof]. Also disclosed are methods of treating diseases characterized by excessive signaling through the MAP kinase pathway by administering a RAF kinase-inhibiting amount of a compound I. In particular, I are useful for the treatment of proliferative diseases such as cancer. Over 30 compds. I were prepared For instance, amidation of 4-methyl-N3-[4-(pyrazin-2-yl)pyrimidin-2-yl]benzene-1,3-diamine with 3-CF3C6H4CO2H using BOP reagent and DIEA in DMF gave invention compound II. The prepared compds. I inhibited human Raf proteins as follows (IC50): wild-type C-Raf 0-01-0.7 μ M; wild-type B-Raf 0.04-1.5 μ M; and mutant B-Raf (V599E) 0.006-1.6 μ M.

IT **812699-79-9P**, N-[4-Methyl-3-[[4-(thiazol-2-yl)pyrimidin-2-yl]amino]phenyl]-3-(trifluoromethyl)benzamide
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

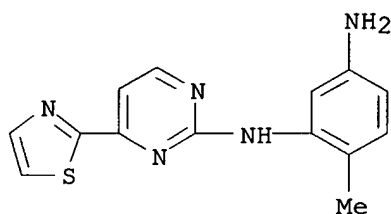
(drug candidate; preparation of aminopyrimidine derivs. as Raf kinase inhibitors for treatment of proliferative diseases such as cancer)

RN 812699-79-9 CAPLUS

CN Benzamide, N-[4-methyl-3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



IT **812700-18-8**, 4-Methyl-N3-[4-(thiazol-2-yl)pyrimidin-2-yl]benzene-1,3-diamine
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (starting material; preparation of aminopyrimidine derivs. as Raf kinase inhibitors for treatment of proliferative diseases such as cancer)
 RN 812700-18-8 CAPLUS
 CN 1,3-Benzenediamine, 4-methyl-N3-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI)
 (CA INDEX NAME)



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:857595 CAPLUS

DN 141:350190

TI Preparation of thiazoles as inhibitors of protein kinases

IN Brenchley, Guy; Farmer, Luc J.; Harrington, Edmund Martin; Knegt, Ronald; O'Donnell, Michael; Salituro, Francesco G.; Studley, John R.; Wang, Jian

PA Vertex Pharmaceuticals Incorporated, USA

SO PCT Int. Appl., 139 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2004087699 | A2 | 20041014 | WO 2004-US9166 | 20040325 |
| | WO 2004087699 | A3 | 20041209 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2004225977 | A1 | 20041014 | AU 2004-225977 | 20040325 |
| | CA 2523126 | AA | 20041014 | CA 2004-2523126 | 20040325 |
| | US 2005004150 | A1 | 20050106 | US 2004-809946 | 20040325 |
| | EP 1605946 | A2 | 20051221 | EP 2004-758338 | 20040325 |
| | R: | | | | |
| | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK | | | | |
| PRAI | US 2003-457468P | P | 20030325 | | |
| | WO 2004-US9166 | W | 20040325 | | |

OS MARPAT 141:350190

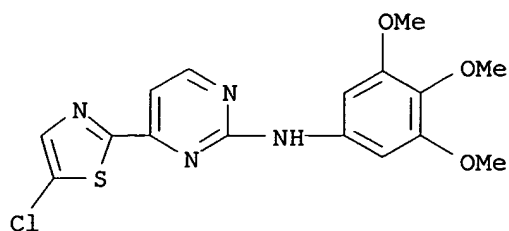
AB The title compds. [I; R1, R2 = R, halo, CN, NO2, etc.; R = H, (un)substituted alkyl; Ar1 = (un)substituted aryl, heteroaryl, etc.; R3, R4 = ZR7; or R3 and R4 are taken together to form (un)substituted (un)saturated 3-8 membered ring having 0-3 heteroatoms; Z = a bond, alkylidene, etc.; R7 = halo, CN, NO2, etc.], useful of inhibitors of protein kinases, were prepared E.g., a multi-step synthesis of II, starting from benzothiazole, was given. The compds. I were tested against SYK and ZAP-70 kinases (data given for representative compds. I). The invention also provides pharmaceutically acceptable compns. comprising said compds. I and methods of using the compns. in the treatment of various disease, conditions, or disorders.

IT 774229-46-8P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of thiazoles as inhibitors of protein kinases)

RN 774229-46-8 CAPLUS

CN 2-Pyrimidinamine, 4-(5-chloro-2-thiazolyl)-N-(3,4,5-trimethoxyphenyl)-(9CI) (CA INDEX NAME)



IT 774228-02-3P 774228-03-4P 774228-05-6P
 774228-06-7P 774228-07-8P 774228-08-9P
 774228-10-3P 774228-11-4P 774228-12-5P
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 774228-37-4P 774228-38-5P 774228-41-0P
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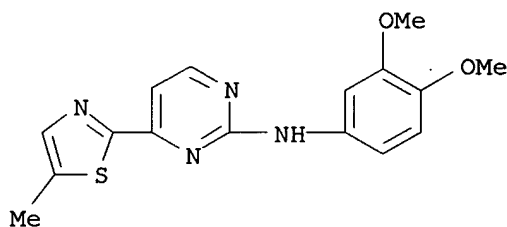
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 774230-66-9P 774230-67-0P 774230-68-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of thiazoles as inhibitors of protein kinases)

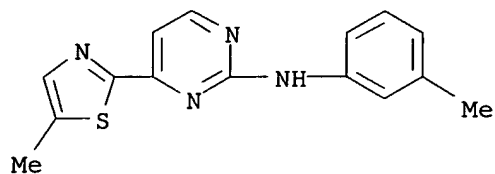
RN 774228-02-3 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-dimethoxyphenyl)-4-(5-methyl-2-thiazolyl)- (9CI)
 (CA INDEX NAME)



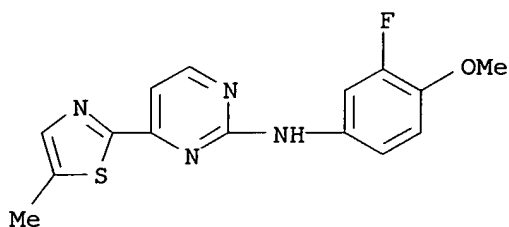
RN 774228-03-4 CAPLUS

CN 2-Pyrimidinamine, N-(3-methylphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA
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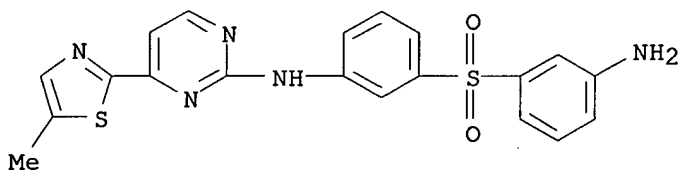
RN 774228-05-6 CAPLUS

CN 2-Pyrimidinamine, N-(3-fluoro-4-methoxyphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



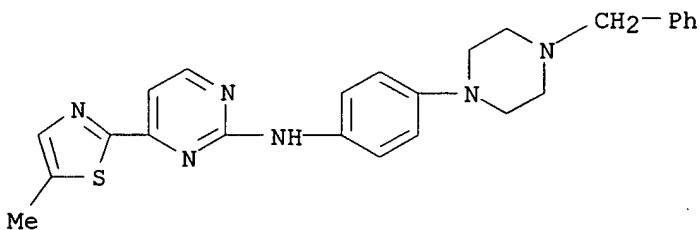
RN 774228-06-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(3-aminophenyl)sulfonyl]phenyl]-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



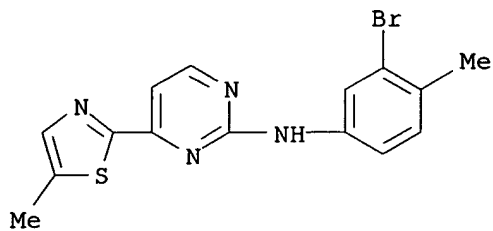
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CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[4-[4-(phenylmethyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



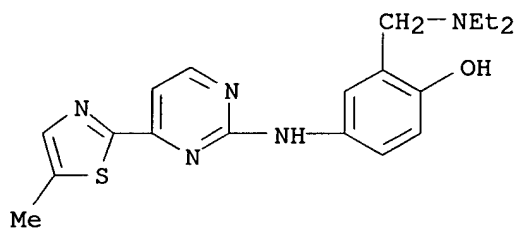
RN 774228-08-9 CAPLUS

CN 2-Pyrimidinamine, N-(3-bromo-4-methylphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



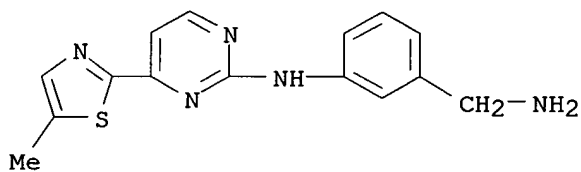
RN 774228-10-3 CAPLUS

CN Phenol, 2-[(diethylamino)methyl]-4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



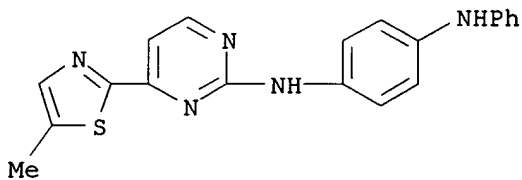
RN 774228-11-4 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



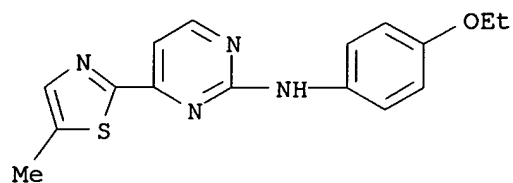
RN 774228-12-5 CAPLUS

CN 1,4-Benzenediamine, N-[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]-N'-phenyl- (9CI) (CA INDEX NAME)



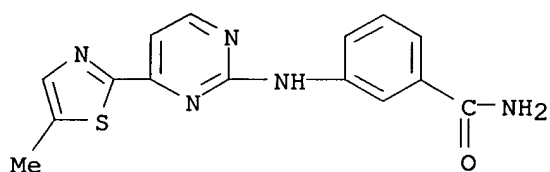
RN 774228-14-7 CAPLUS

CN 2-Pyrimidinamine, N-(4-ethoxyphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



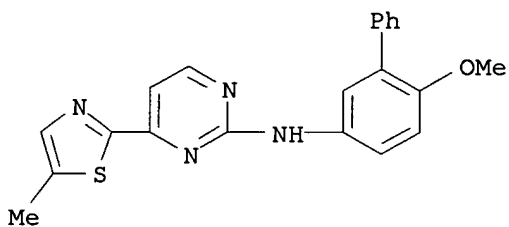
RN 774228-15-8 CAPLUS

CN Benzamide, 3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



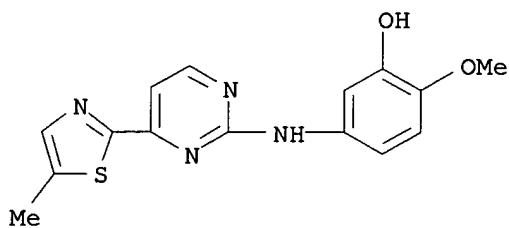
RN 774228-16-9 CAPLUS

CN 2-Pyrimidinamine, N-(6-methoxy[1,1'-biphenyl]-3-yl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



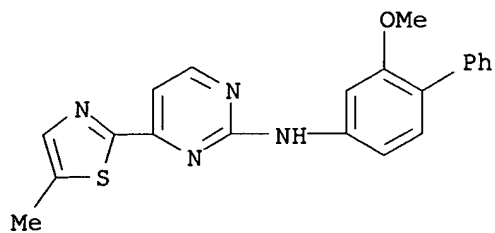
RN 774228-17-0 CAPLUS

CN Phenol, 2-methoxy-5-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



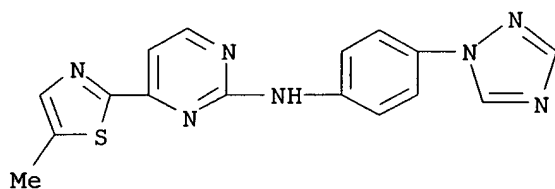
RN 774228-19-2 CAPLUS

CN 2-Pyrimidinamine, N-(2-methoxy[1,1'-biphenyl]-4-yl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



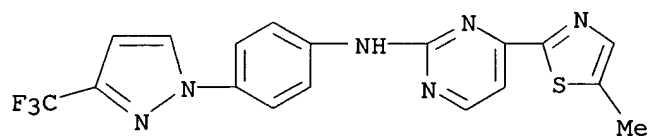
RN 774228-23-8 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[4-(1H-1,2,4-triazol-1-yl)phenyl]- (9CI) (CA INDEX NAME)



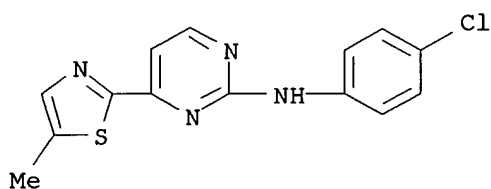
RN 774228-24-9 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[4-[3-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl]- (9CI) (CA INDEX NAME)



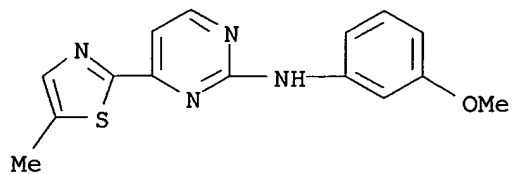
RN 774228-25-0 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



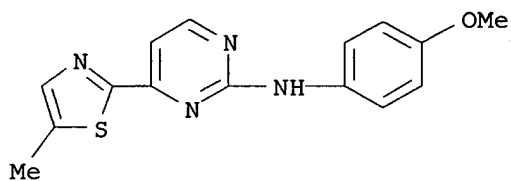
RN 774228-27-2 CAPLUS

CN 2-Pyrimidinamine, N-(3-methoxyphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



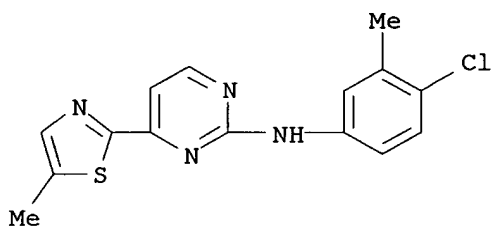
RN 774228-28-3 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxyphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



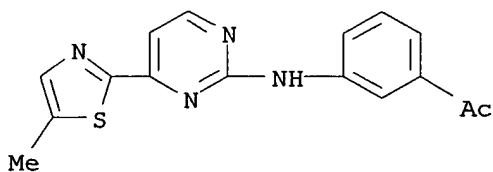
RN 774228-29-4 CAPLUS

CN 2-Pyrimidinamine, N-(4-chloro-3-methylphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



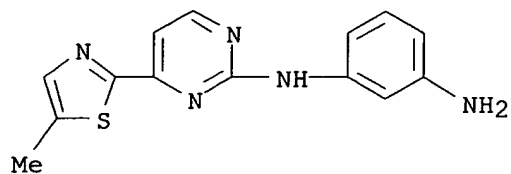
RN 774228-30-7 CAPLUS

CN Ethanone, 1-[3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



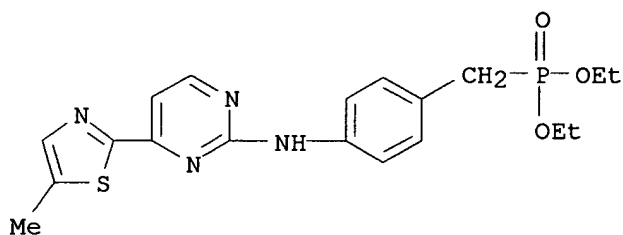
RN 774228-32-9 CAPLUS

CN 1,3-Benzenediamine, N-[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



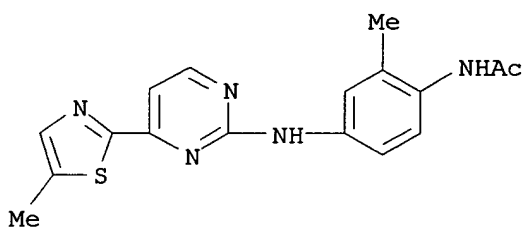
RN 774228-33-0 CAPLUS

CN Phosphonic acid, [[4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



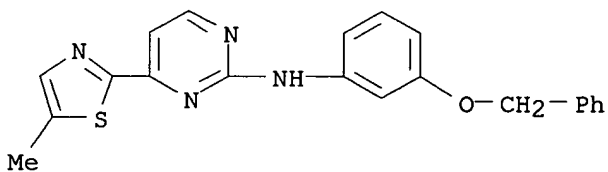
RN 774228-35-2 CAPLUS

CN Acetamide, N-[2-methyl-4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



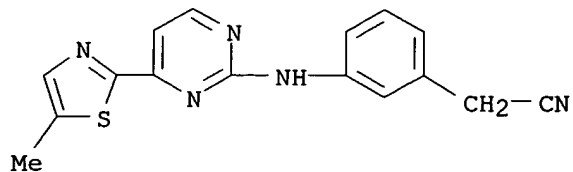
RN 774228-37-4 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[3-(phenylmethoxy)phenyl]- (9CI) (CA INDEX NAME)



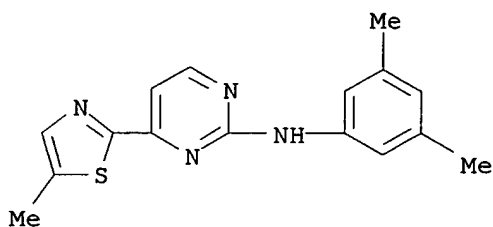
RN 774228-38-5 CAPLUS

CN Benzeneacetonitrile, 3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



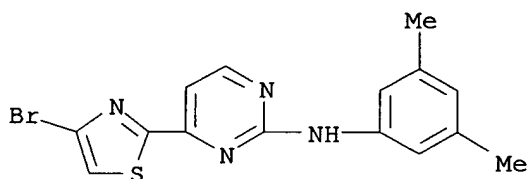
RN 774228-41-0 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(5-methyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)



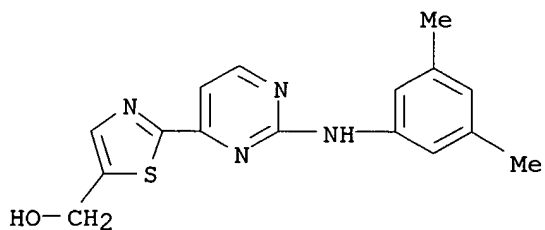
RN 774228-42-1 CAPLUS

CN 2-Pyrimidinamine, 4-(4-bromo-2-thiazolyl)-N-(3,5-dimethylphenyl)- (9CI)
(CA INDEX NAME)



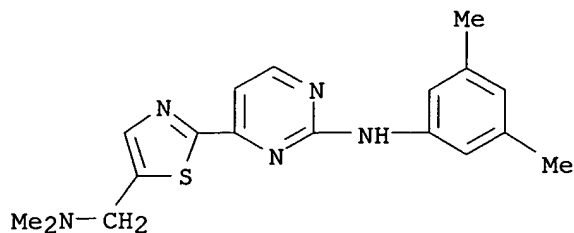
RN 774228-43-2 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI)
(CA INDEX NAME)



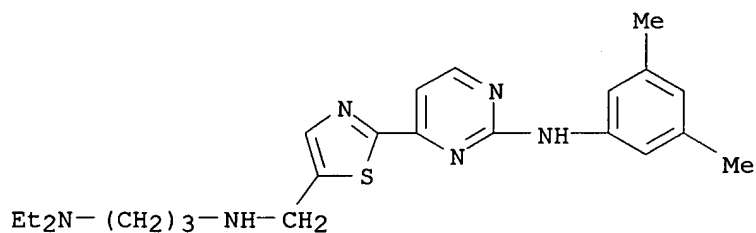
RN 774228-44-3 CAPLUS

CN 2-Pyrimidinamine, 4-[5-[(dimethylamino)methyl]-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



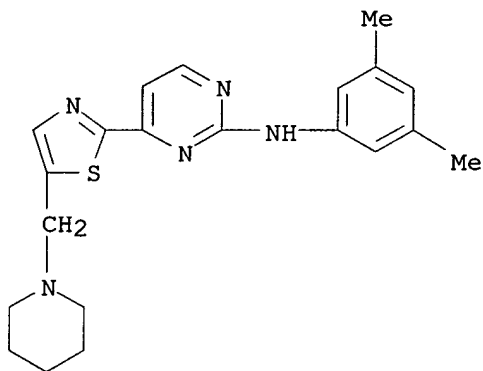
RN 774228-45-4 CAPLUS

CN 1,3-Propanediamine, N'-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]methyl]-N,N-diethyl- (9CI) (CA INDEX NAME)



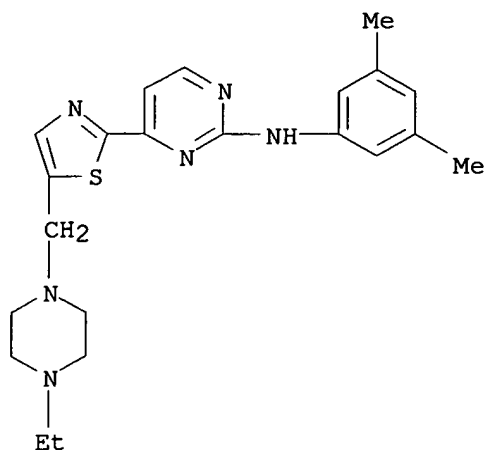
RN 774228-46-5 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(1-piperidinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



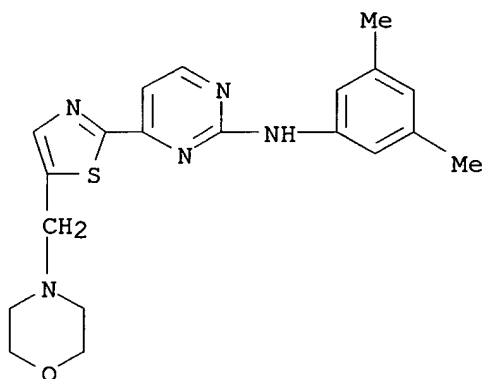
RN 774228-47-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[(4-ethyl-1-piperazinyl)methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



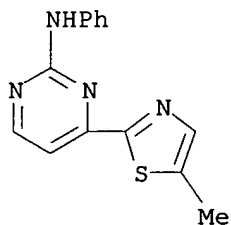
RN 774228-48-7 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(4-morpholinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



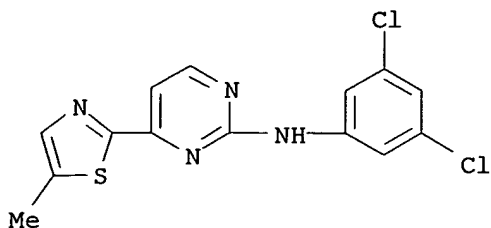
RN 774228-49-8 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-phenyl- (9CI) (CA INDEX NAME)



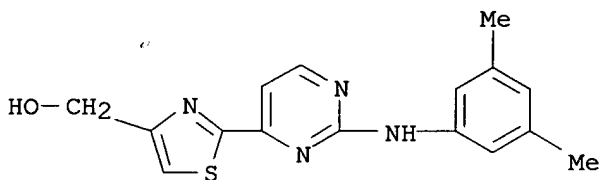
RN 774228-51-2 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dichlorophenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



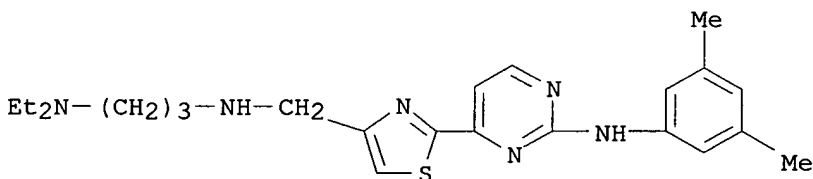
RN 774228-52-3 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI)
(CA INDEX NAME)



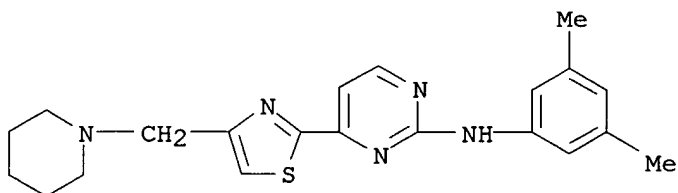
RN 774228-53-4 CAPLUS

CN 1,3-Propanediamine, N'-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-thiazolyl]methyl]-N,N-diethyl- (9CI) (CA INDEX NAME)



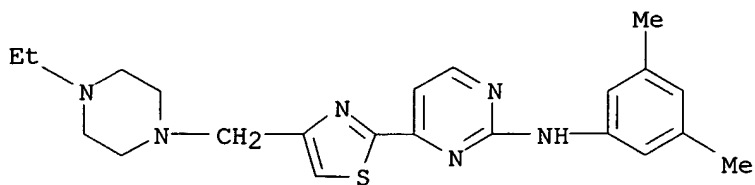
RN 774228-54-5 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-(1-piperidinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



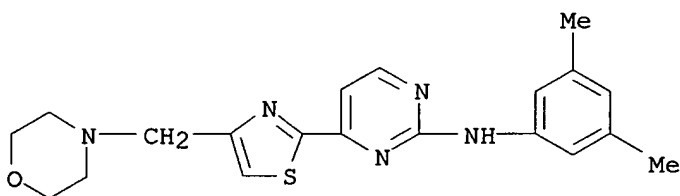
RN 774228-55-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-(1-piperazinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



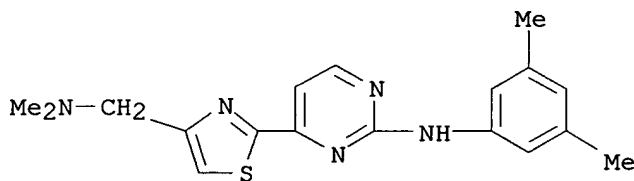
RN 774228-56-7 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-(4-morpholinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



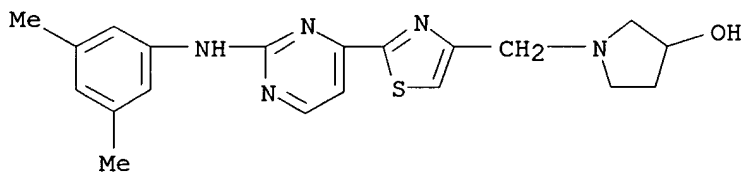
RN 774228-57-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-[(dimethylamino)methyl]-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



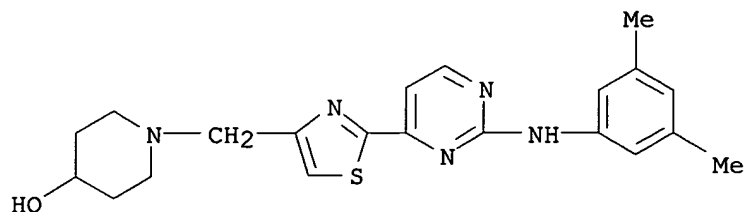
RN 774228-58-9 CAPLUS

CN 3-Pyrrolidinol, 1-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



RN 774228-59-0 CAPLUS

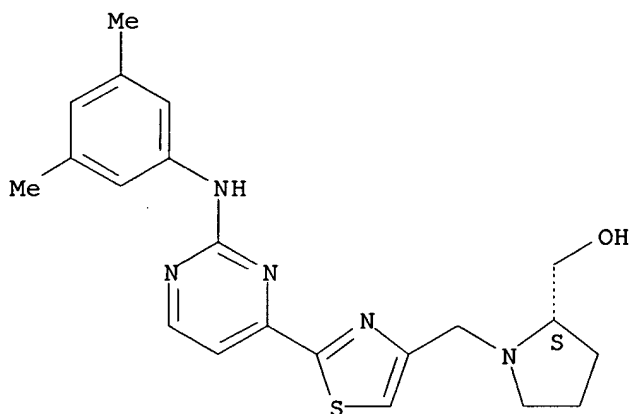
CN 4-Piperidinol, 1-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



RN 774228-60-3 CAPLUS

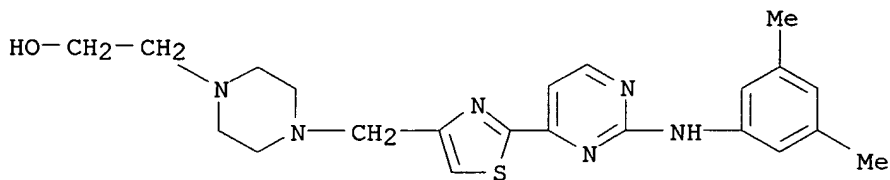
CN 2-Pyrrolidinemethanol, 1-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-thiazolyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



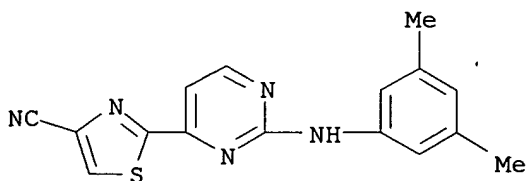
RN 774228-61-4 CAPLUS

CN 1-Piperazineethanol, 4-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-thiazolyl]methyl]- (9CI) (CA INDEX NAME)

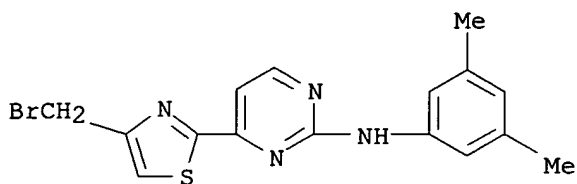


RN 774228-62-5 CAPLUS

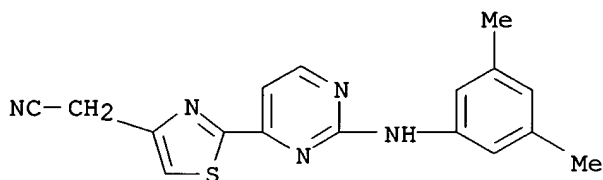
CN 4-Thiazolecarbonitrile, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



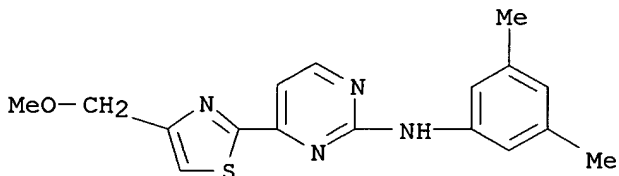
RN 774228-64-7 CAPLUS

CN 2-Pyrimidinamine, 4-[4-(bromomethyl)-2-thiazolyl]-N-(3,5-dimethylphenyl)-
(9CI) (CA INDEX NAME)

RN 774228-65-8 CAPLUS

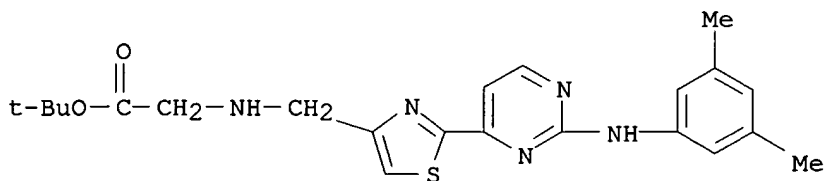
CN 4-Thiazoleacetonitrile, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-
(9CI) (CA INDEX NAME)

RN 774228-66-9 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-(methoxymethyl)-2-thiazolyl]-
(9CI) (CA INDEX NAME)

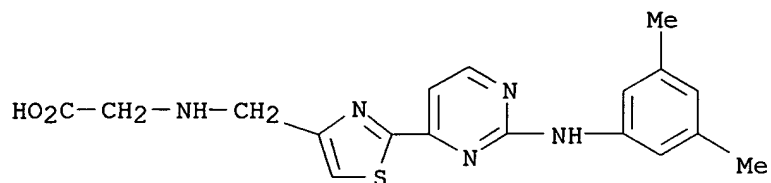
RN 774228-67-0 CAPLUS

CN Glycine, N-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-thiazolyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



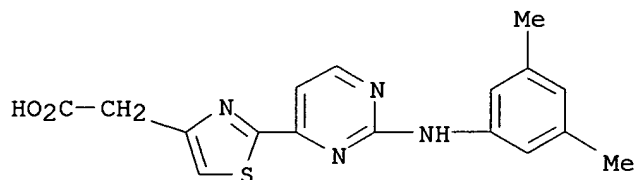
RN 774228-68-1 CAPLUS

CN Glycine, N-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



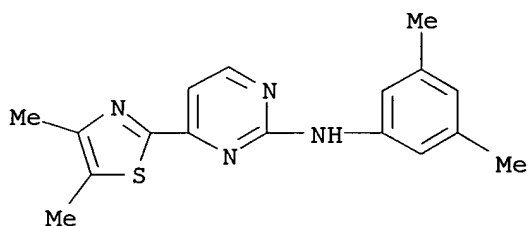
RN 774228-69-2 CAPLUS

CN 4-Thiazoleacetic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-
(9CI) (CA INDEX NAME)



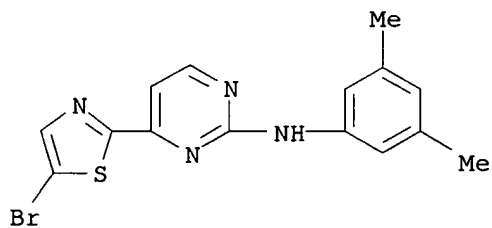
RN 774228-70-5 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(4,5-dimethyl-2-thiazolyl)-
(9CI) (CA INDEX NAME)



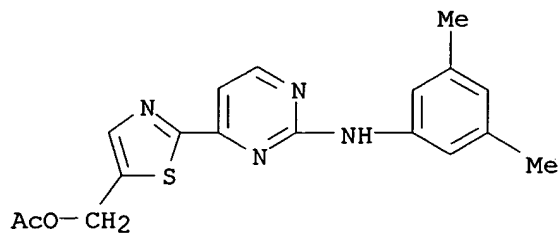
RN 774228-71-6 CAPLUS

CN 2-Pyrimidinamine, 4-(5-bromo-2-thiazolyl)-N-(3,5-dimethylphenyl)- (9CI)
(CA INDEX NAME)



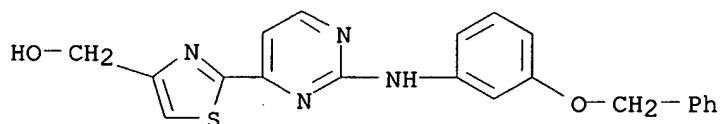
RN 774228-72-7 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-,
acetate (ester) (9CI) (CA INDEX NAME)



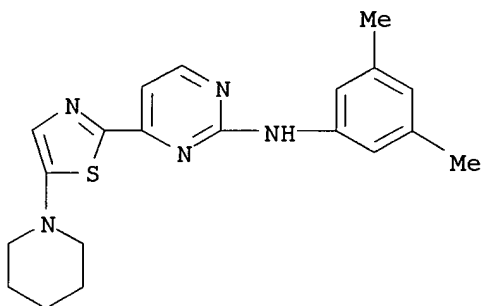
RN 774228-73-8 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[[3-(phenylmethoxy)phenyl]amino]-4-pyrimidinyl]-
(9CI) (CA INDEX NAME)



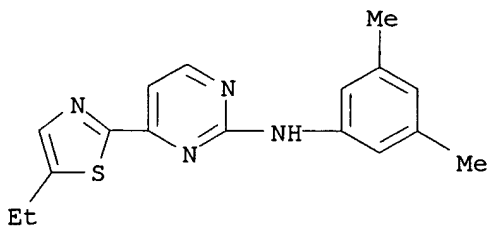
RN 774228-74-9 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(1-piperidinyl)-2-thiazolyl]-
(9CI) (CA INDEX NAME)



RN 774228-75-0 CAPLUS

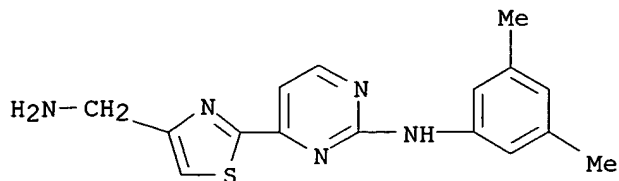
CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(5-ethyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)



RN 774228-76-1 CAPLUS

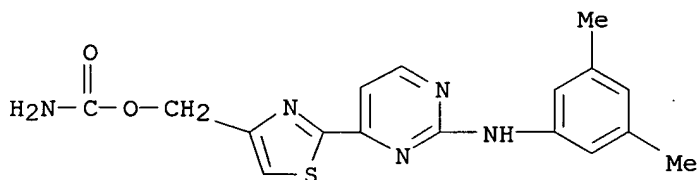
CN 2-Pyrimidinamine, 4-[4-(aminomethyl)-2-thiazolyl]-N-(3,5-dimethylphenyl)-

(9CI) (CA INDEX NAME)



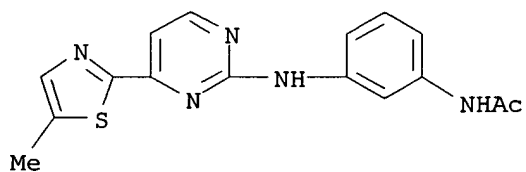
RN 774228-77-2 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-, carbamate (ester) (9CI) (CA INDEX NAME)



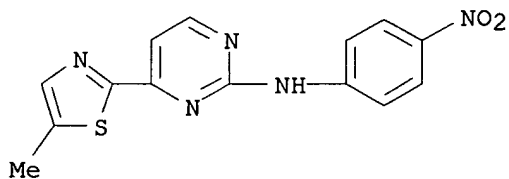
RN 774228-78-3 CAPLUS

CN Acetamide, N-[3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



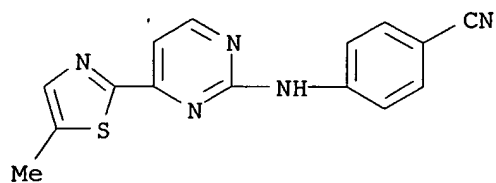
RN 774228-79-4 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



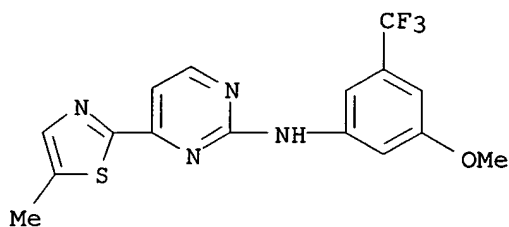
RN 774228-80-7 CAPLUS

CN Benzonitrile, 4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



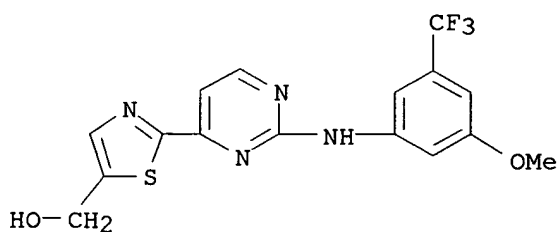
RN 774228-82-9 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



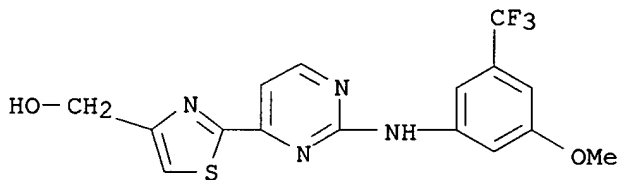
RN 774228-83-0 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



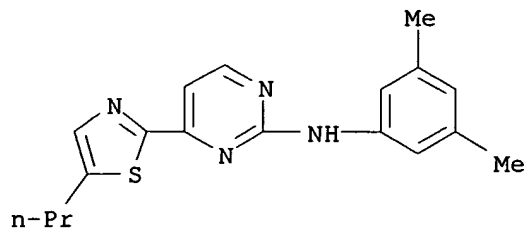
RN 774228-84-1 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 774228-85-2 CAPLUS

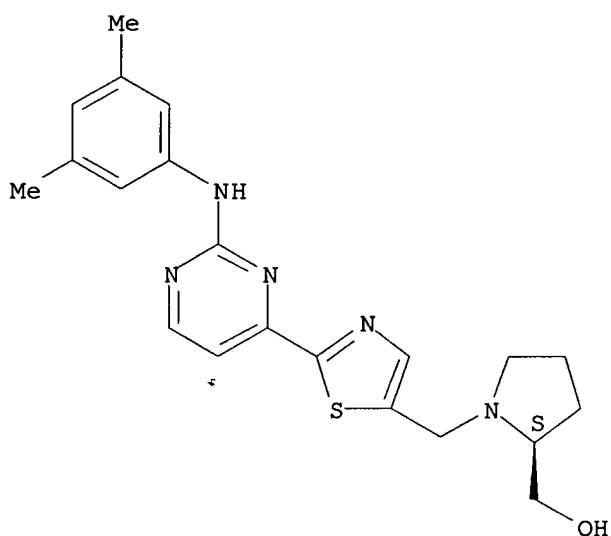
CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(5-propyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 774228-86-3 CAPLUS

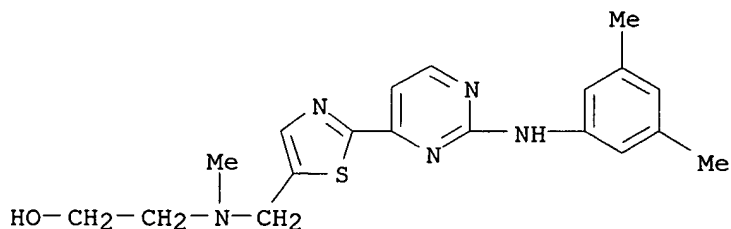
CN 2-Pyrrolidinemethanol, 1-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



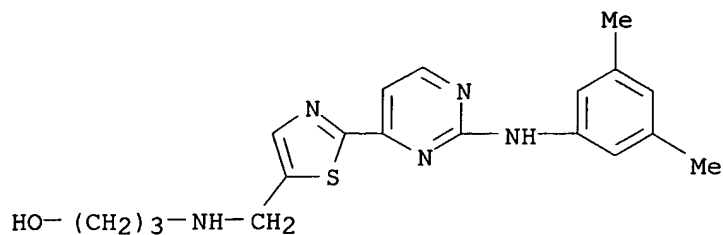
RN 774228-87-4 CAPLUS

CN Ethanol, 2-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]methyl]methylamino]- (9CI) (CA INDEX NAME)



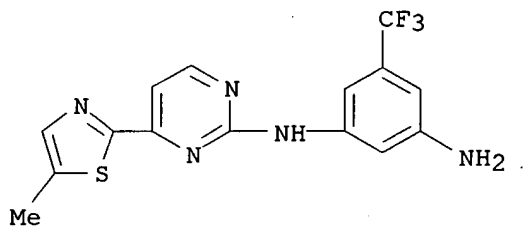
RN 774228-88-5 CAPLUS

CN 1-Propanol, 3-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]methyl]amino]- (9CI) (CA INDEX NAME)



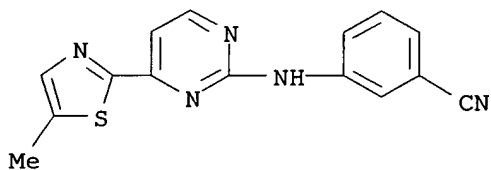
RN 774228-89-6 CAPLUS

CN 1,3-Benzenediamine, N-[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



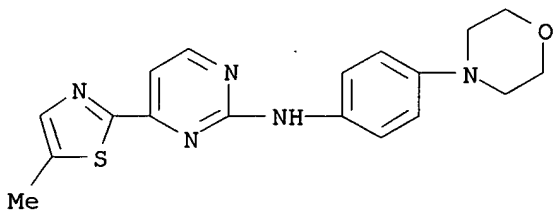
RN 774228-90-9 CAPLUS

CN Benzonitrile, 3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



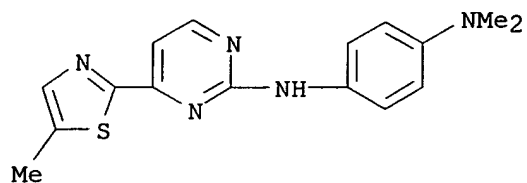
RN 774228-91-0 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



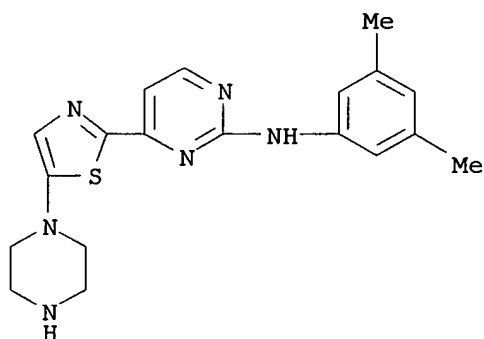
RN 774228-92-1 CAPLUS

CN 1,4-Benzenediamine, N,N-dimethyl-N'-[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



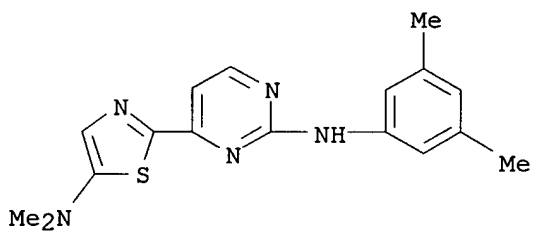
RN 774228-93-2 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(1-piperazinyl)-2-thiazolyl]-
(9CI) (CA INDEX NAME)



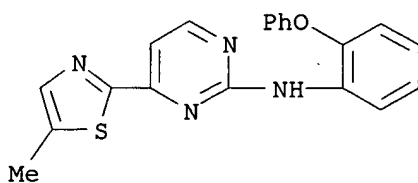
RN 774228-94-3 CAPLUS

CN 2-Pyrimidinamine, 4-[5-(dimethylamino)-2-thiazolyl]-N-(3,5-dimethylphenyl)-
(9CI) (CA INDEX NAME)



RN 774228-95-4 CAPLUS

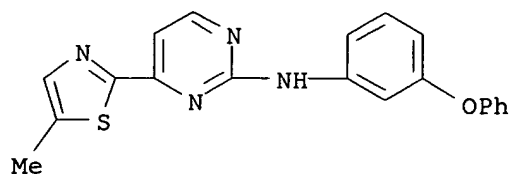
CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-(2-phenoxyphenyl)- (9CI) (CA
INDEX NAME)



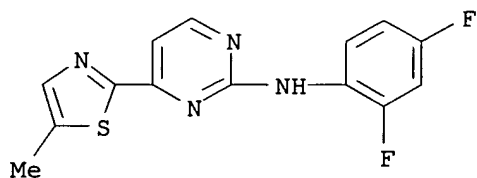
RN 774228-96-5 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-(3-phenoxyphenyl)- (9CI) (CA

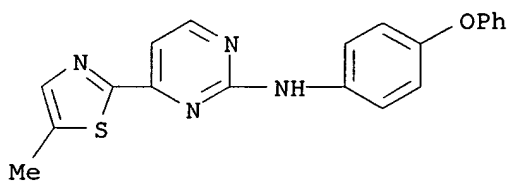
INDEX NAME)



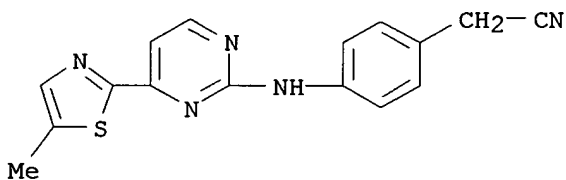
RN 774228-97-6 CAPLUS

CN 2-Pyrimidinamine, N-(2,4-difluorophenyl)-4-(5-methyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)

RN 774228-98-7 CAPLUS

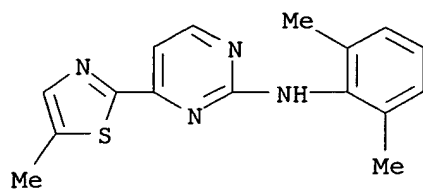
CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-(4-phenoxyphenyl)- (9CI) (CA
INDEX NAME)

RN 774228-99-8 CAPLUS

CN Benzeneacetonitrile, 4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)

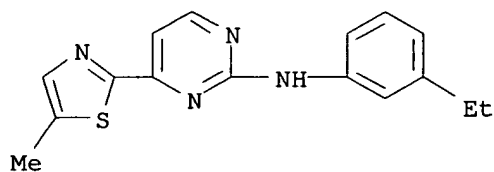
RN 774229-00-4 CAPLUS

CN 2-Pyrimidinamine, N-(2,6-dimethylphenyl)-4-(5-methyl-2-thiazolyl)- (9CI)
(CA INDEX NAME)



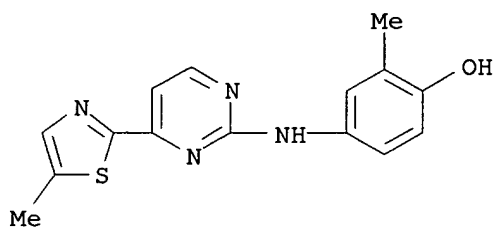
RN 774229-01-5 CAPLUS

CN 2-Pyrimidinamine, N-(3-ethylphenyl)-4-(5-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



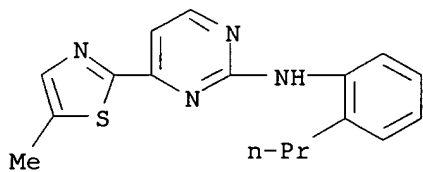
RN 774229-02-6 CAPLUS

CN Phenol, 2-methyl-4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



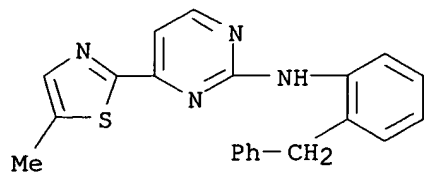
RN 774229-03-7 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-(2-propylphenyl)- (9CI) (CA INDEX NAME)



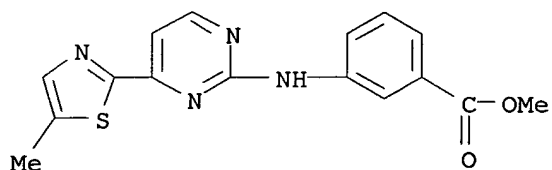
RN 774229-04-8 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[2-(phenylmethyl)phenyl]- (9CI) (CA INDEX NAME)



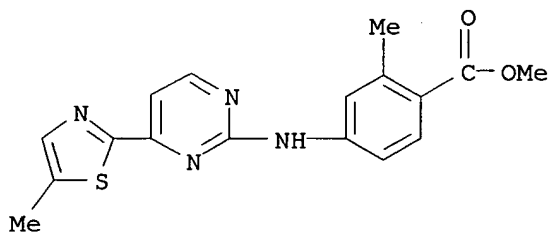
RN 774229-05-9 CAPLUS

CN Benzoic acid, 3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



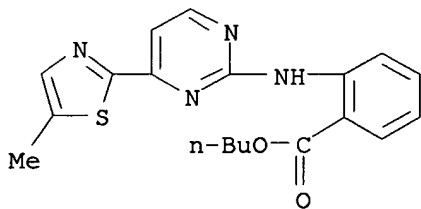
RN 774229-06-0 CAPLUS

CN Benzoic acid, 2-methyl-4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



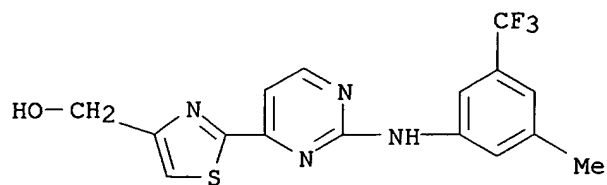
RN 774229-07-1 CAPLUS

CN Benzoic acid, 2-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-, butyl ester (9CI) (CA INDEX NAME)



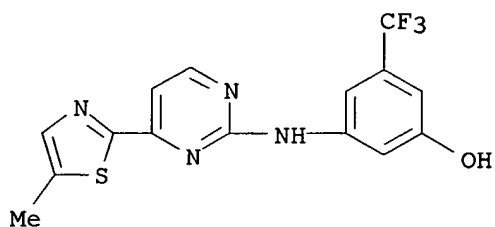
RN 774229-08-2 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[[3-methyl-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



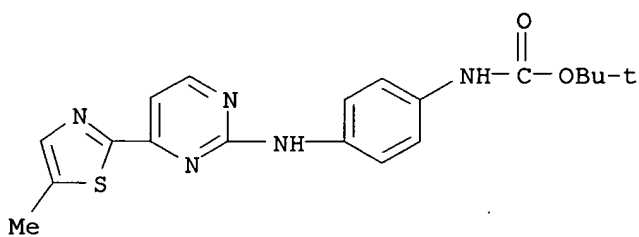
RN 774229-09-3 CAPLUS

CN Phenol, 3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



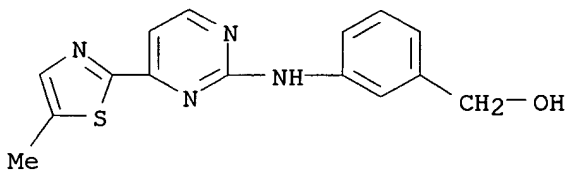
RN 774229-10-6 CAPLUS

CN Carbamic acid, [4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



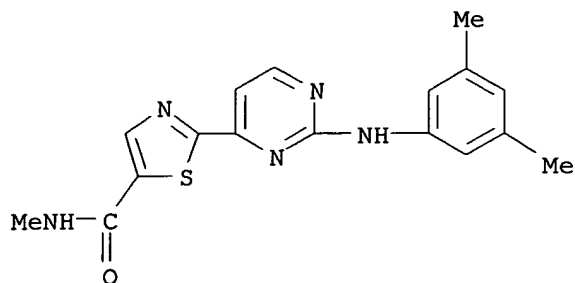
RN 774229-11-7 CAPLUS

CN Benzenemethanol, 3-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



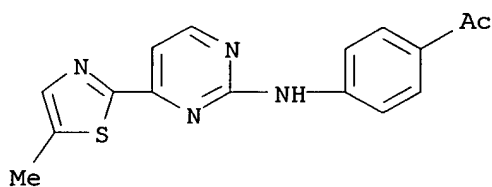
RN 774229-14-0 CAPLUS

CN 5-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-N-methyl- (9CI) (CA INDEX NAME)



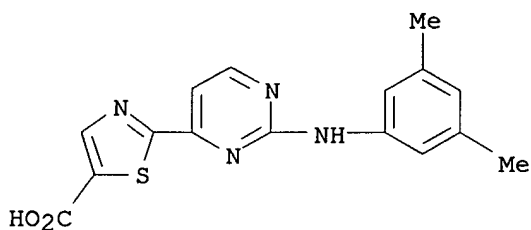
RN 774229-15-1 CAPLUS

CN Ethanone, 1-[4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]-
(9CI) (CA INDEX NAME)



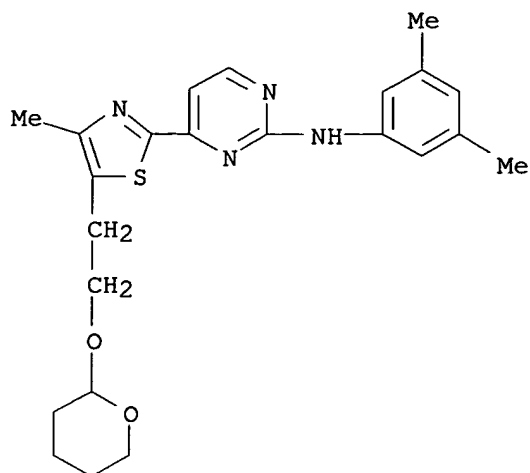
RN 774229-17-3 CAPLUS

CN 5-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-
(9CI) (CA INDEX NAME)



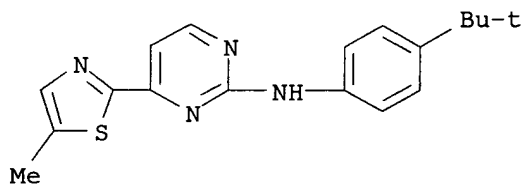
RN 774229-18-4 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



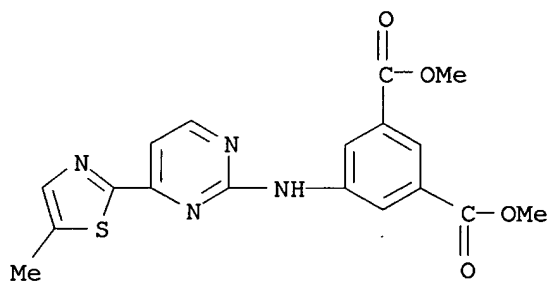
RN 774229-19-5 CAPLUS

CN 2-Pyrimidinamine, N-[4-(1,1-dimethylethyl)phenyl]-4-(5-methyl-2-thiazolyl)-
(9CI) (CA INDEX NAME)



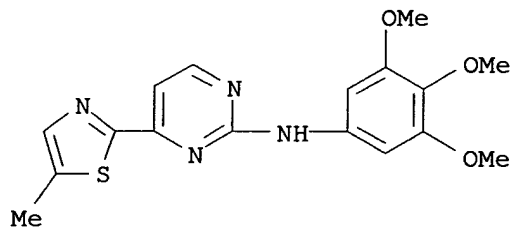
RN 774229-21-9 CAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-, dimethyl ester (9CI) (CA INDEX NAME)



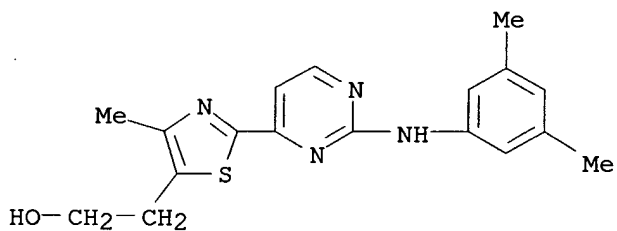
RN 774229-23-1 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-(3,4,5-trimethoxyphenyl)-
(9CI) (CA INDEX NAME)



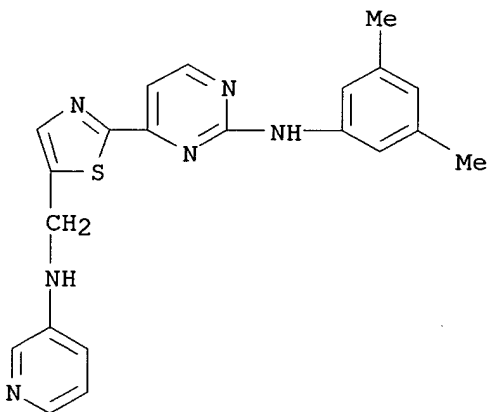
RN 774229-25-3 CAPLUS

CN 5-Thiazoleethanol, 2-[2-[(3,5-dimethoxyphenyl)amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



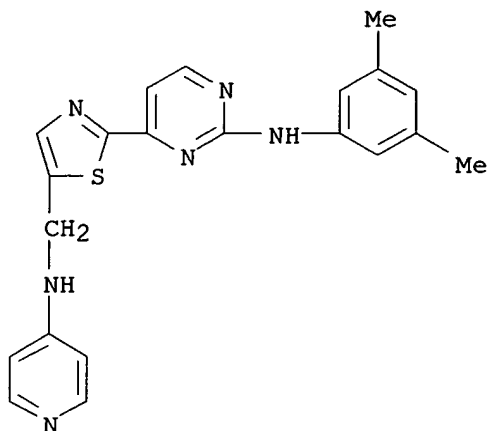
RN 774229-26-4 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[(3-pyridinylamino)methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



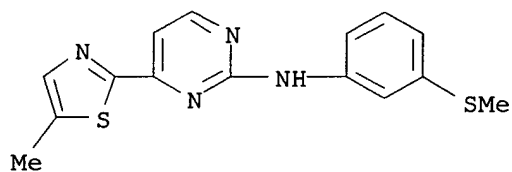
RN 774229-28-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[(4-pyridinylamino)methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



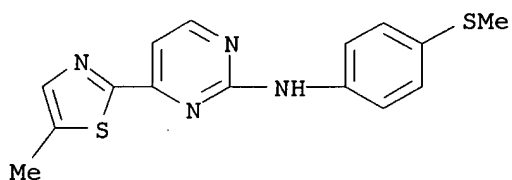
RN 774229-33-3 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[3-(methylthio)phenyl]- (9CI)
(CA INDEX NAME)



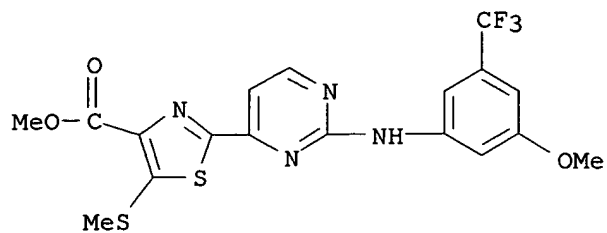
RN 774229-34-4 CAPLUS

CN 2-Pyrimidinamine, 4-(5-methyl-2-thiazolyl)-N-[4-(methylthio)phenyl]- (9CI)
(CA INDEX NAME)



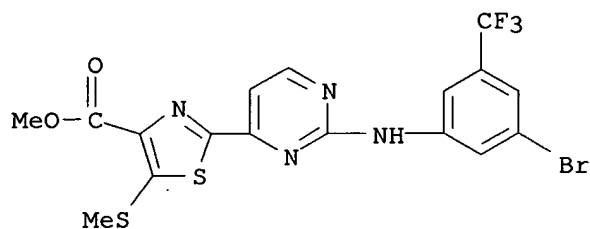
RN 774229-35-5 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-5-(methylthio)-, methyl ester (9CI) (CA INDEX NAME)



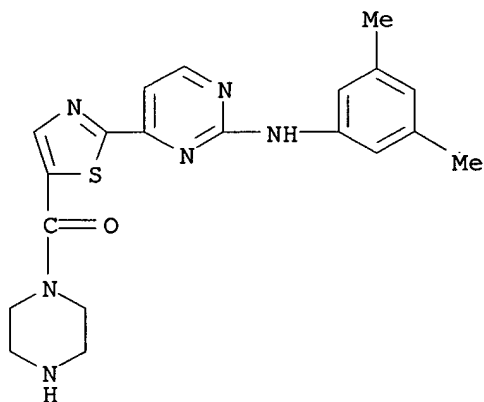
RN 774229-36-6 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[[3-bromo-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-5-(methylthio)-, methyl ester (9CI) (CA INDEX NAME)



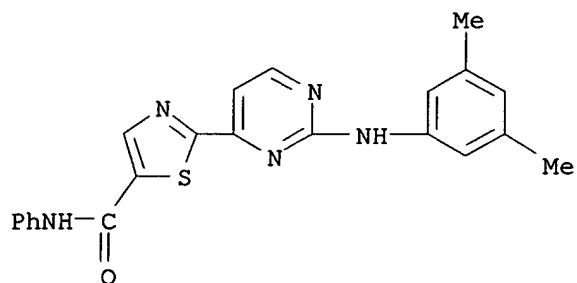
RN 774229-37-7 CAPLUS

CN Piperazine, 1-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]carbonyl]- (9CI) (CA INDEX NAME)



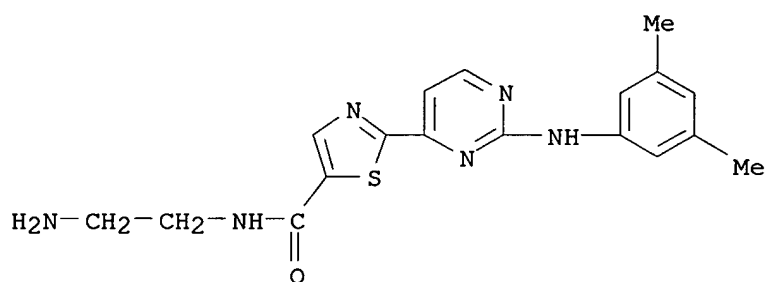
RN 774229-40-2 CAPLUS

CN 5-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-N-phenyl- (9CI) (CA INDEX NAME)



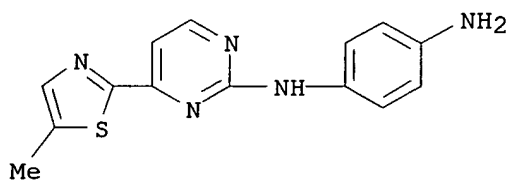
RN 774229-41-3 CAPLUS

CN 5-Thiazolecarboxamide, N-(2-aminoethyl)-2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



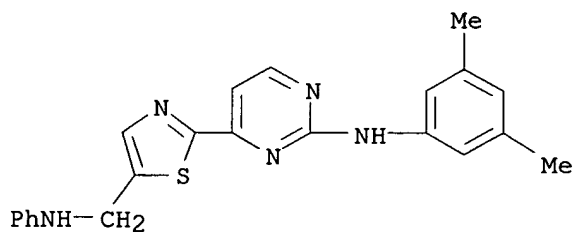
RN 774229-43-5 CAPLUS

CN 1,4-Benzenediamine, N-[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



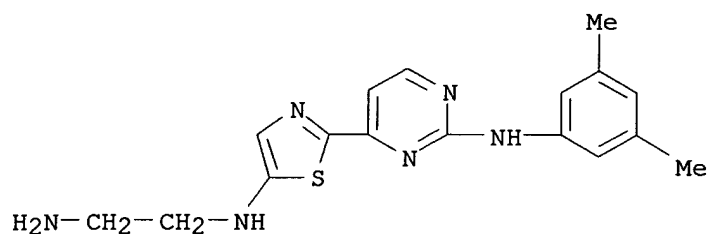
RN 774229-44-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[(phenylamino)methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



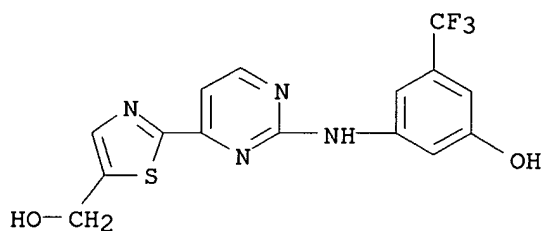
RN 774229-45-7 CAPLUS

CN 1,2-Ethanediamine, N-[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]- (9CI) (CA INDEX NAME)



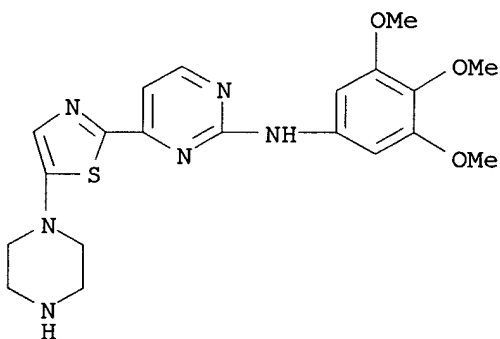
RN 774229-47-9 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[[3-hydroxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



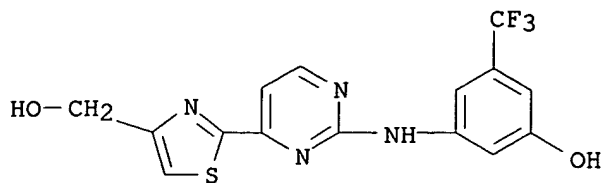
RN 774229-48-0 CAPLUS

CN 2-Pyrimidinamine, 4-[5-(1-piperazinyl)-2-thiazolyl]-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



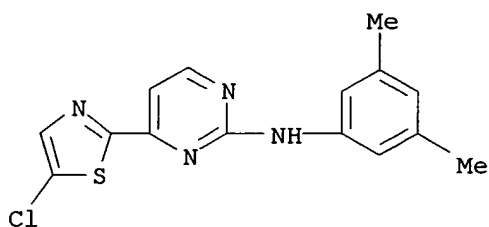
RN 774229-49-1 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[[3-hydroxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



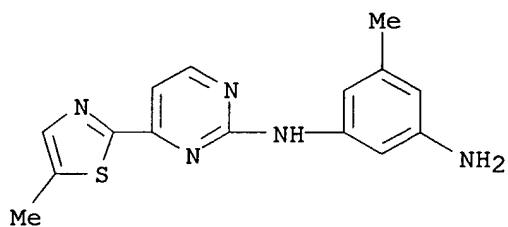
RN 774229-50-4 CAPLUS

CN 2-Pyrimidinamine, 4-(5-chloro-2-thiazolyl)-N-(3,5-dimethylphenyl)- (9CI)
(CA INDEX NAME)



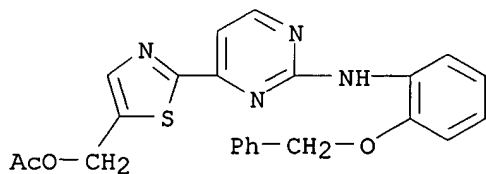
RN 774229-51-5 CAPLUS

CN 1,3-Benzenediamine, 5-methyl-N-[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]-
(9CI) (CA INDEX NAME)



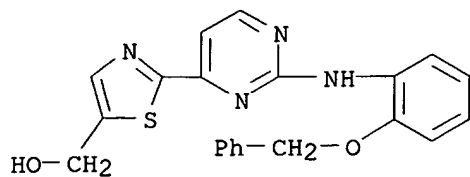
RN 774229-52-6 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[[2-(phenylmethoxy)phenyl]amino]-4-pyrimidinyl]-,
acetate (ester) (9CI) (CA INDEX NAME)



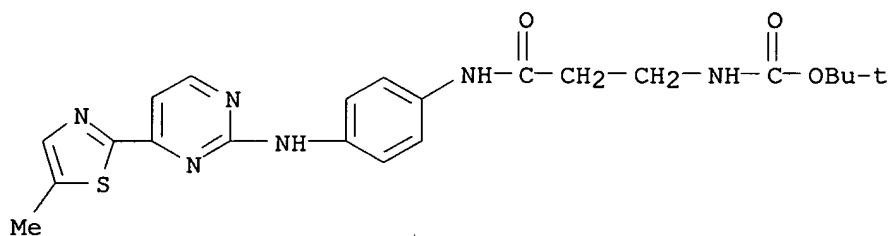
RN 774229-53-7 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[[2-(phenylmethoxy)phenyl]amino]-4-pyrimidinyl]-
(9CI) (CA INDEX NAME)



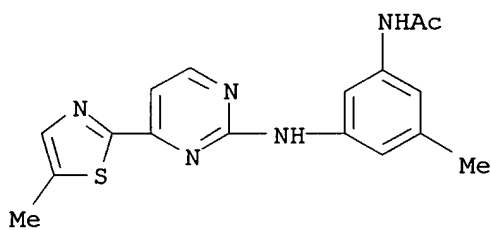
RN 774229-56-0 CAPLUS

CN Carbamic acid, [3-[[4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



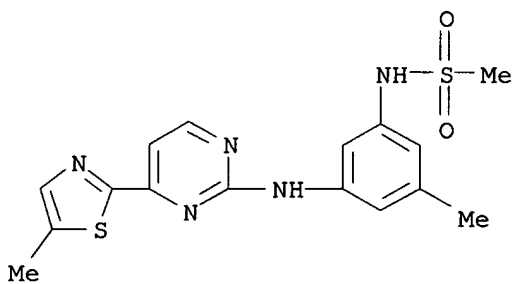
RN 774229-57-1 CAPLUS

CN Acetamide, N-[3-methyl-5-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



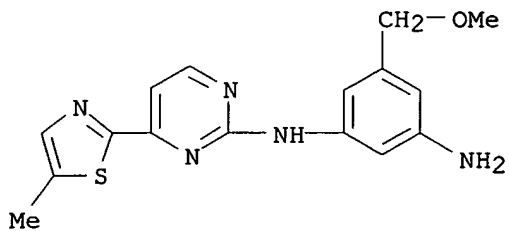
RN 774229-58-2 CAPLUS

CN Methanesulfonamide, N-[3-methyl-5-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



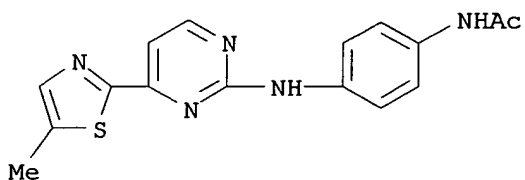
RN 774229-59-3 CAPLUS

CN 1,3-Benzenediamine, 5-(methoxymethyl)-N-[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



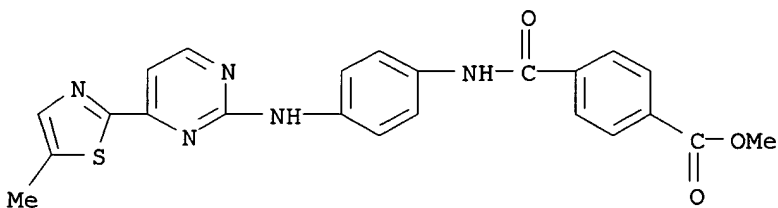
RN 774229-60-6 CAPLUS

CN Acetamide, N-[4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



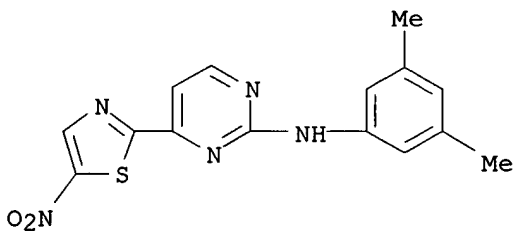
RN 774229-61-7 CAPLUS

CN Benzoic acid, 4-[[[4-[[4-(5-methyl-2-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



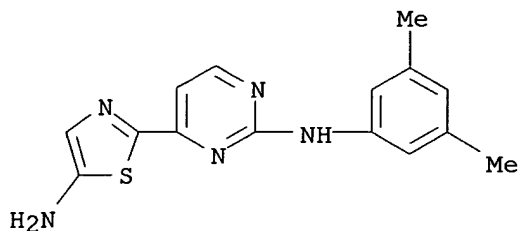
RN 774229-62-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(5-nitro-2-thiazolyl)- (9CI) (CA INDEX NAME)



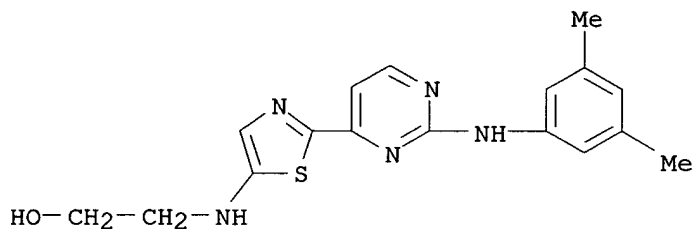
RN 774229-63-9 CAPLUS

CN 2-Pyrimidinamine, 4-(5-amino-2-thiazolyl)-N-(3,5-dimethylphenyl)- (9CI)
(CA INDEX NAME)



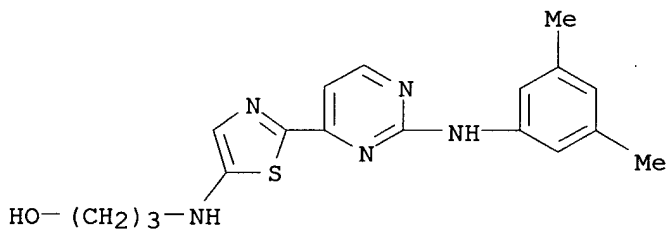
RN 774229-64-0 CAPLUS

CN Ethanol, 2-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]amino]- (9CI) (CA INDEX NAME)



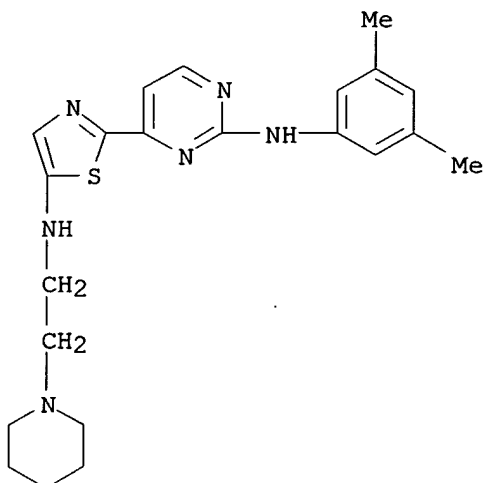
RN 774229-65-1 CAPLUS

CN 1-Propanol, 3-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]amino]- (9CI) (CA INDEX NAME)



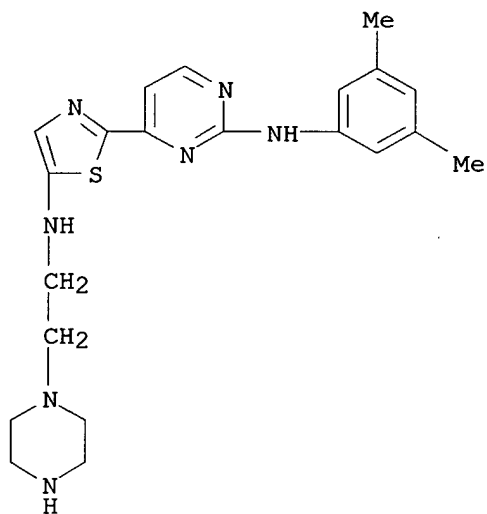
RN 774229-66-2 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[[2-(1-piperidinyl)ethyl]amino]-2-thiazolyl]- (9CI) (CA INDEX NAME)



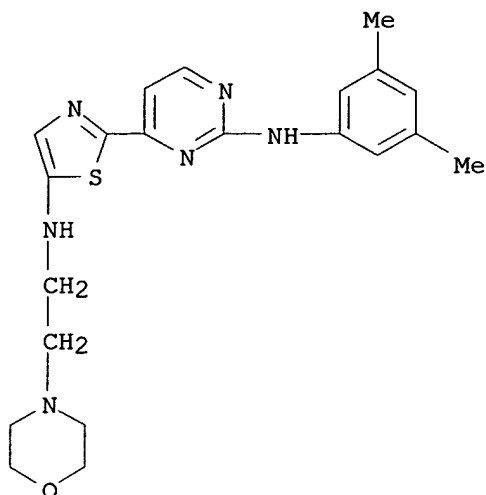
RN 774229-67-3 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[[2-(1-piperazinyl)ethyl]amino]-2-thiazolyl]- (9CI) (CA INDEX NAME)



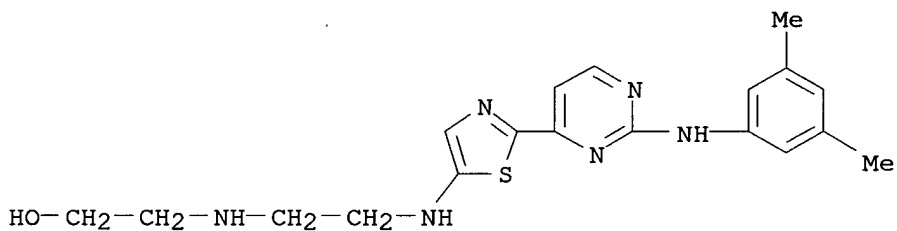
RN 774229-68-4 CAPLUS

CN 4-Morpholineethanamine, N-[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]- (9CI) (CA INDEX NAME)



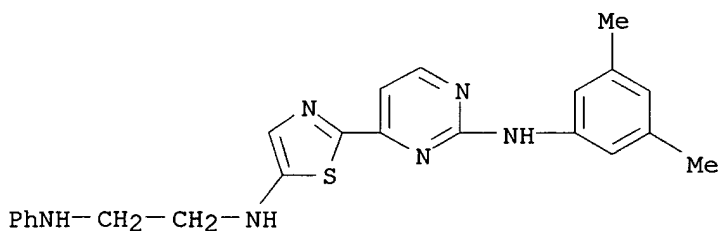
RN 774229-69-5 CAPLUS

CN Ethanol, 2-[[2-[[2-[[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]amino]ethyl]amino]- (9CI) (CA INDEX NAME)



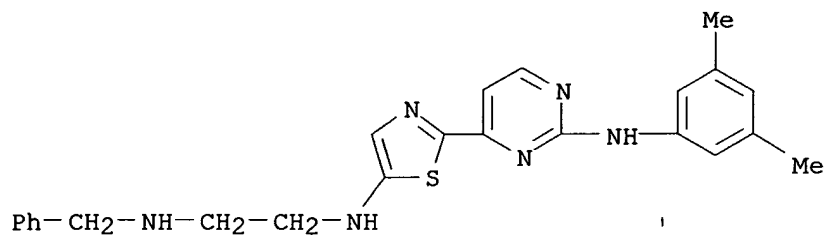
RN 774229-70-8 CAPLUS

CN 1,2-Ethanediamine, N-[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]-N'-phenyl- (9CI) (CA INDEX NAME)



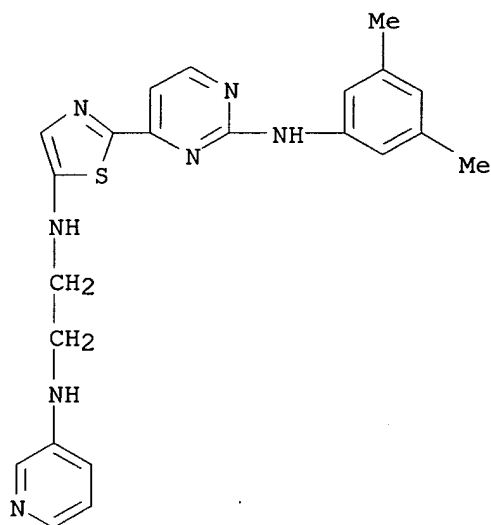
RN 774229-71-9 CAPLUS

CN 1,2-Ethanediamine, N-[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



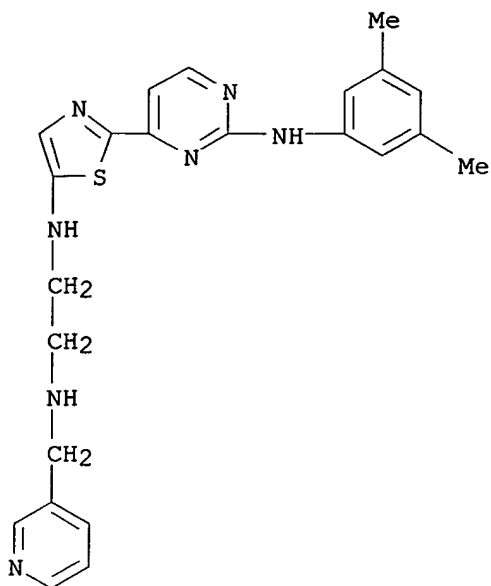
RN 774229-72-0 CAPLUS

CN 1,2-Ethanediamine, N-[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]-N'-3-pyridinyl- (9CI) (CA INDEX NAME)



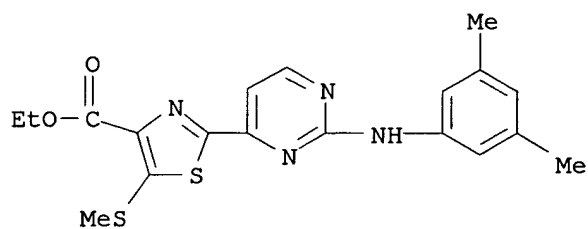
RN 774229-73-1 CAPLUS

CN 1,2-Ethanediamine, N-[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]-N'-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



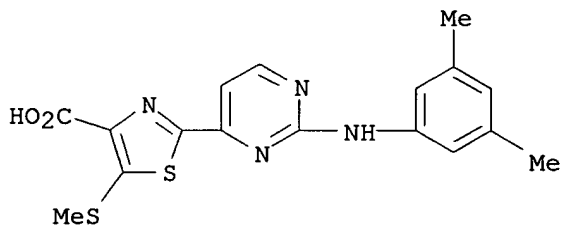
RN 774229-74-2 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(methylthio)-, ethyl ester (9CI) (CA INDEX NAME)



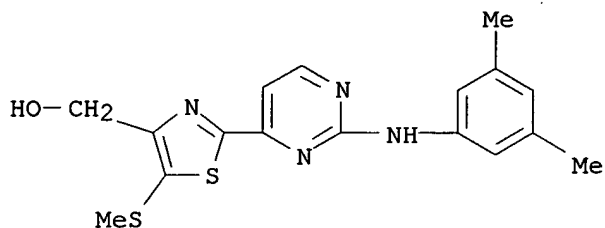
RN 774229-75-3 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



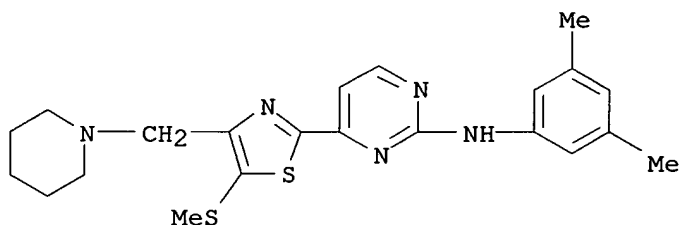
RN 774229-76-4 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



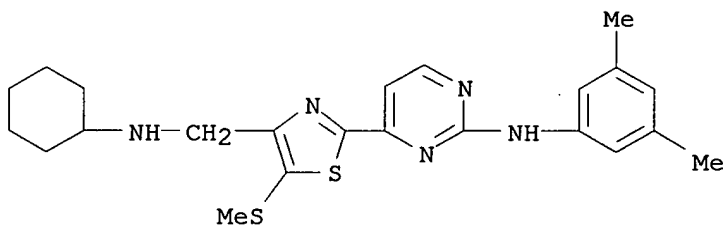
RN 774229-77-5 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(methylthio)-4-(1-piperidinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



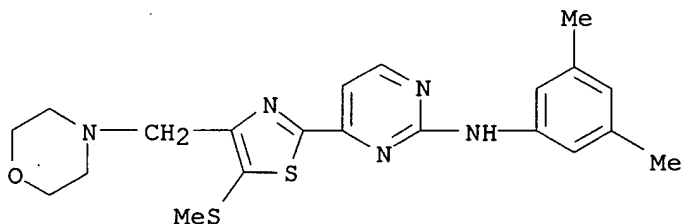
RN 774229-78-6 CAPLUS

CN 2-Pyrimidinamine, 4-[4-[(cyclohexylamino)methyl]-5-(methylthio)-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



RN 774229-79-7 CAPLUS

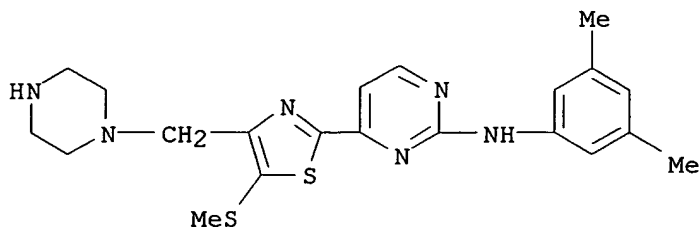
CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(methylthio)-4-(4-morpholinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 774229-80-0 CAPLUS

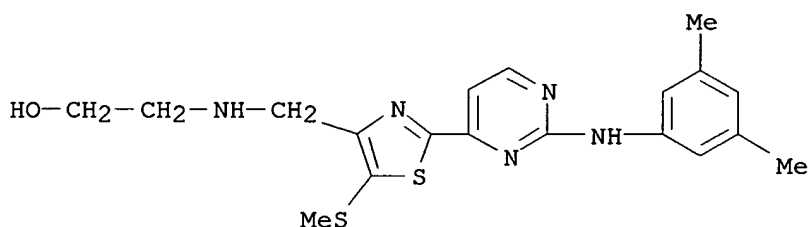
CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(methylthio)-4-(1-

piperazinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



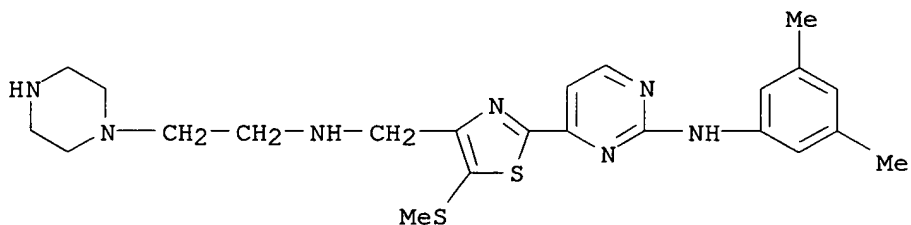
RN 774229-81-1 CAPLUS

CN Ethanol, 2-[[[2-[[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(methylthio)-4-thiazolyl]methyl]amino]- (9CI) (CA INDEX NAME)



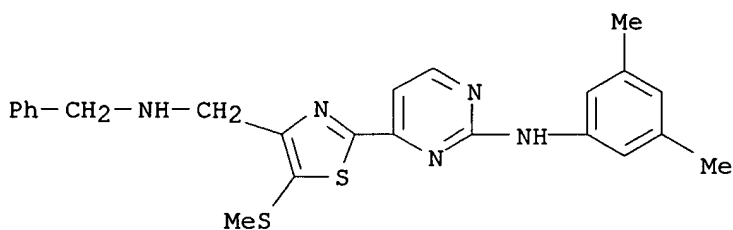
RN 774229-82-2 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(methylthio)-4-[[[2-(1-piperazinyl)ethyl]amino]methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



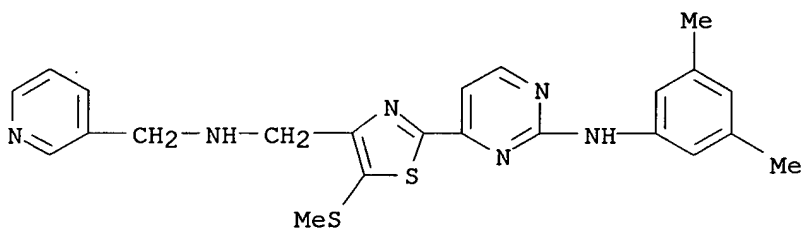
RN 774229-83-3 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(methylthio)-4-[[[2-(1-piperazinyl)ethyl]amino]methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



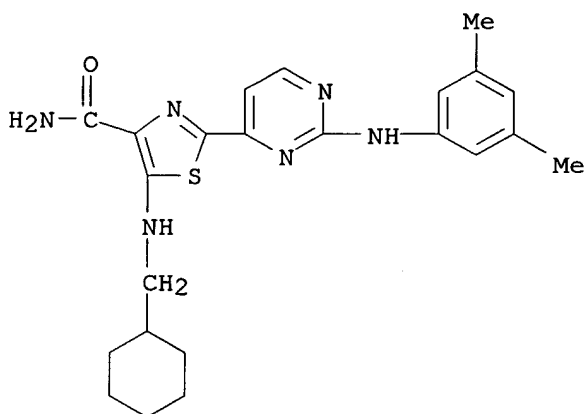
RN 774229-84-4 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(methylthio)-4-[[3-(3-pyridinylmethyl)amino]methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



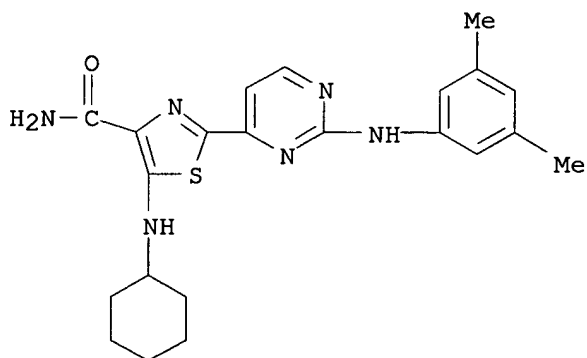
RN 774229-85-5 CAPLUS

CN 4-Thiazolecarboxamide, 5-[(cyclohexylmethyl)amino]-2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



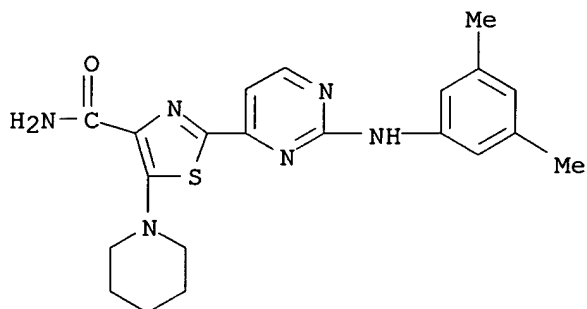
RN 774229-86-6 CAPLUS

CN 4-Thiazolecarboxamide, 5-(cyclohexylamino)-2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



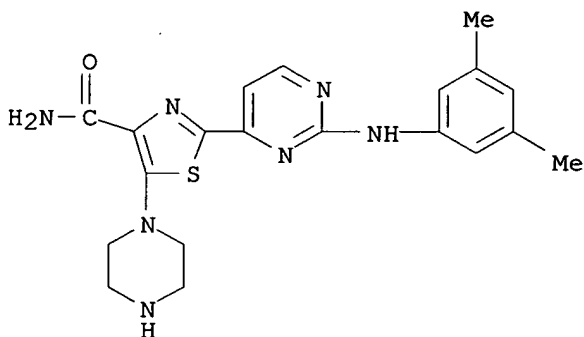
RN 774229-87-7 CAPLUS

CN 4-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(1-piperidinyl)- (9CI) (CA INDEX NAME)



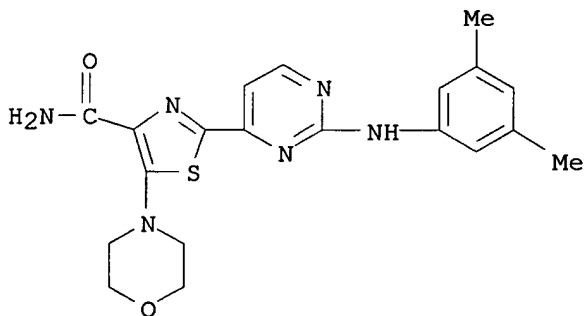
RN 774229-88-8 CAPLUS

CN 4-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(1-piperazinyl)- (9CI) (CA INDEX NAME)



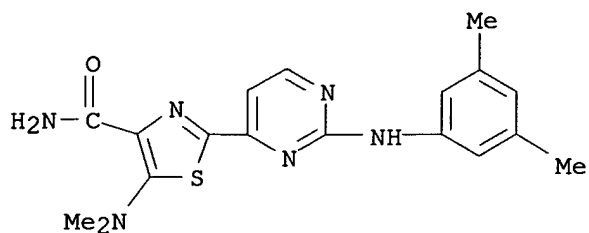
RN 774229-89-9 CAPLUS

CN 4-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(4-morpholinyl)- (9CI) (CA INDEX NAME)



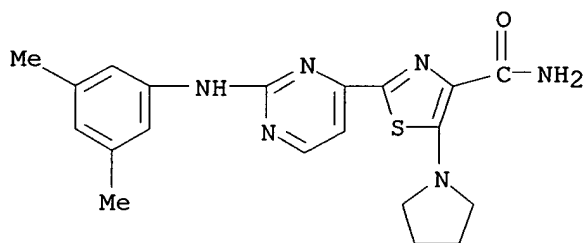
RN 774229-90-2 CAPLUS

CN 4-Thiazolecarboxamide, 5-(dimethylamino)-2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



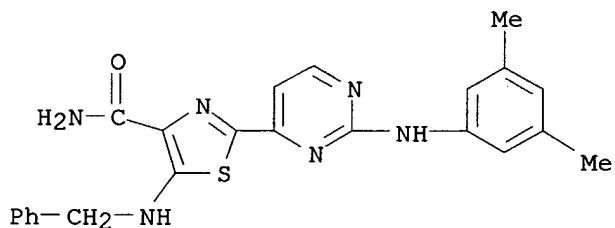
RN 774229-91-3 CAPLUS

CN 4-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



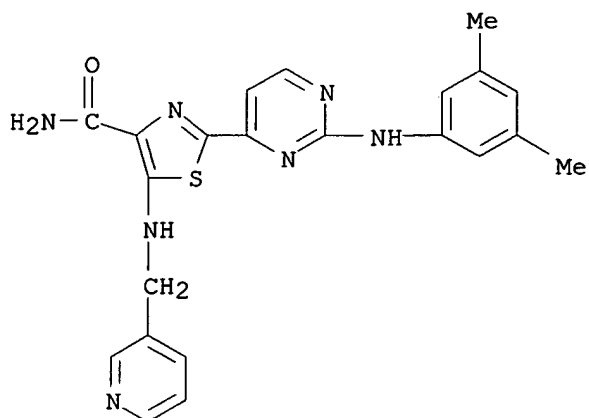
RN 774229-92-4 CAPLUS

CN 4-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-[(phenylmethyl)amino]- (9CI) (CA INDEX NAME)



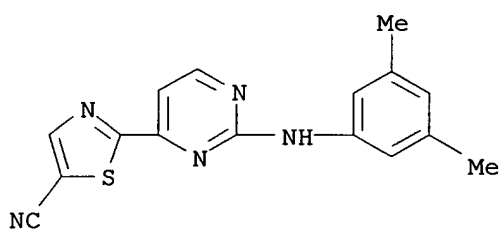
RN 774229-93-5 CAPLUS

CN 4-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-[(3-pyridinylmethyl)amino]- (9CI) (CA INDEX NAME)



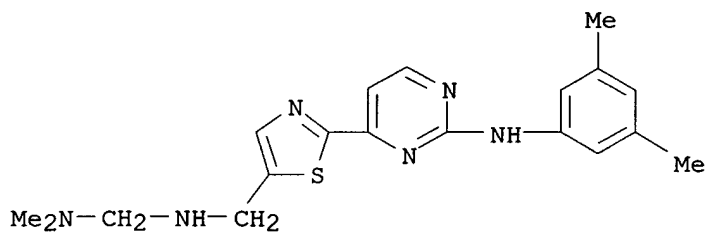
RN 774229-94-6 CAPLUS

CN 5-Thiazolecarbonitrile, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



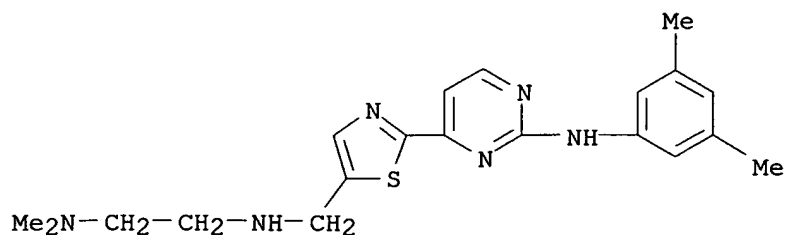
RN 774229-95-7 CAPLUS

CN Methanediamine, N'-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]methyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



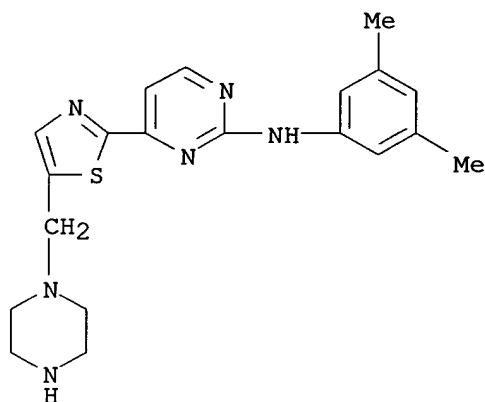
RN 774229-96-8 CAPLUS

CN 1,2-Ethanediamine, N'-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]methyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



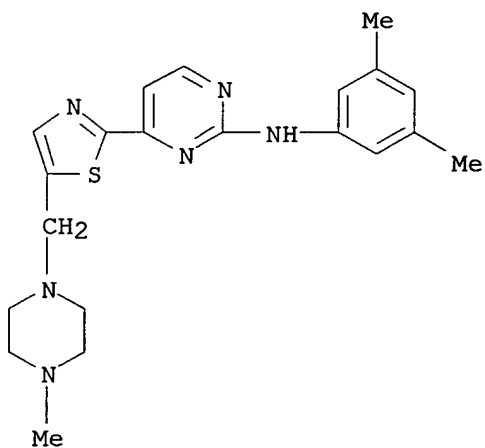
RN 774229-97-9 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(1-piperazinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



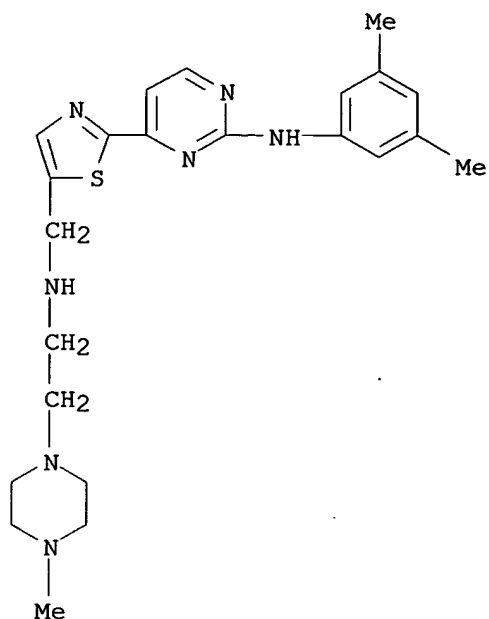
RN 774229-98-0 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[(4-methyl-1-piperazinyl)methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



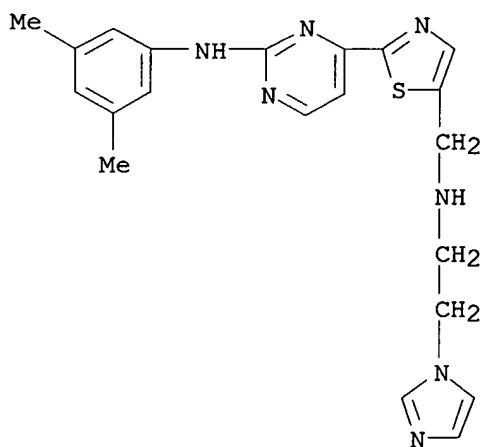
RN 774229-99-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[[[2-(4-methyl-1-piperazinyl)ethyl]amino]methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



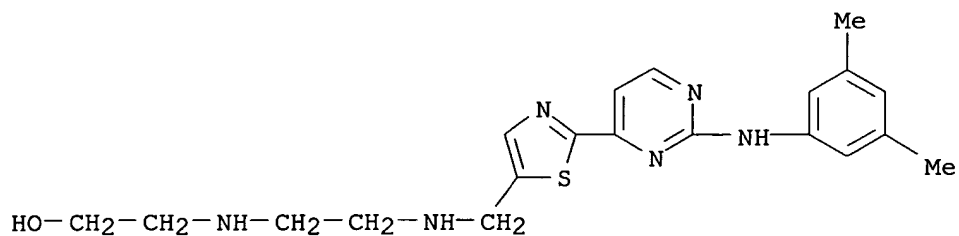
RN 774230-00-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[[2-(1H-imidazol-1-yl)ethyl]amino]methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



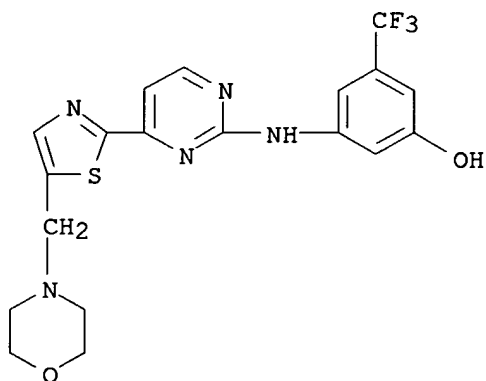
RN 774230-01-2 CAPLUS

CN Ethanol, 2-[[2-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-thiazolyl]methyl]amino]ethyl]amino]- (9CI) (CA INDEX NAME)



RN 774230-02-3 CAPLUS

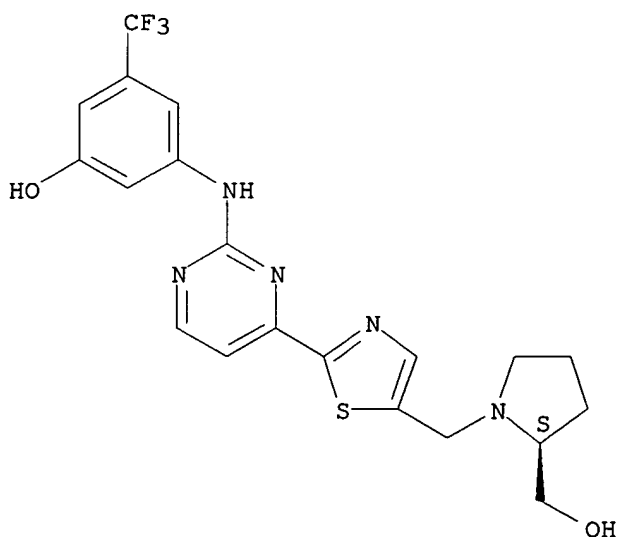
CN Phenol, 3-[[4-[5-(4-morpholinylmethyl)-2-thiazolyl]-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 774230-03-4 CAPLUS

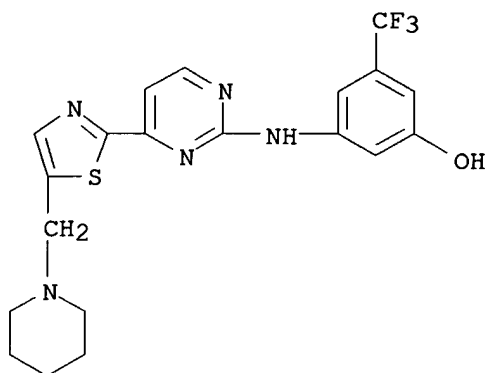
CN 2-Pyrrolidinemethanol, 1-[[2-[2-[[3-hydroxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-5-thiazolyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



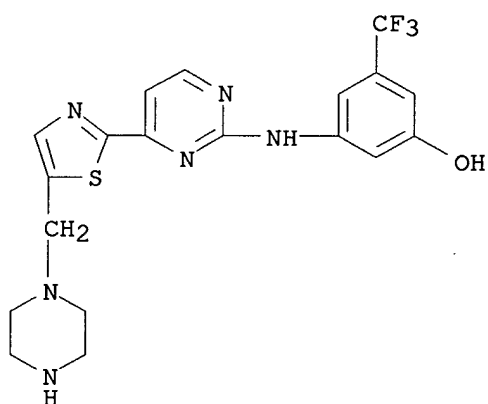
RN 774230-04-5 CAPLUS

CN Phenol, 3-[[4-[5-(1-piperidinylmethyl)-2-thiazolyl]-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



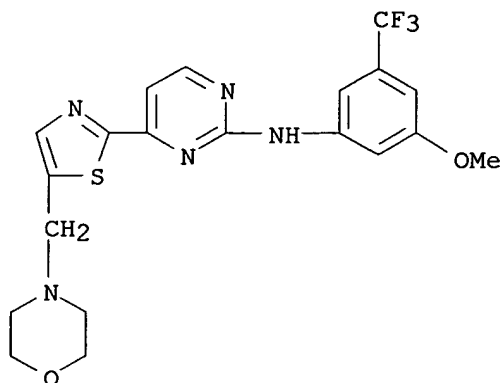
RN 774230-05-6 CAPLUS

CN Phenol, 3-[[4-[5-(1-piperazinylmethyl)-2-thiazolyl]-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 774230-06-7 CAPLUS

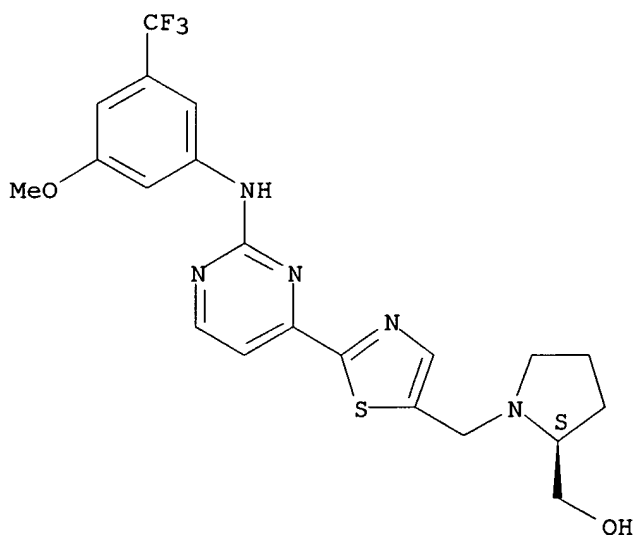
CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-[5-(4-morpholinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 774230-07-8 CAPLUS

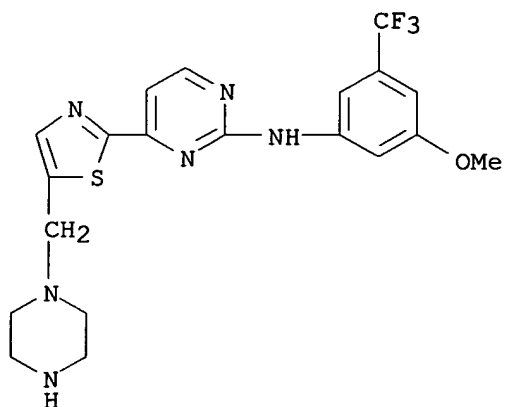
CN 2-Pyrrolidinemethanol, 1-[[2-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-5-thiazolyl]methyl]-, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



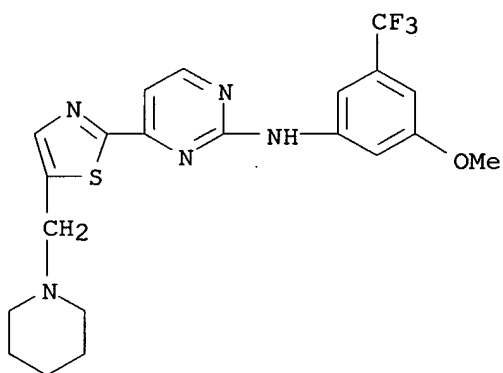
RN 774230-08-9 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-[5-(1-piperazinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



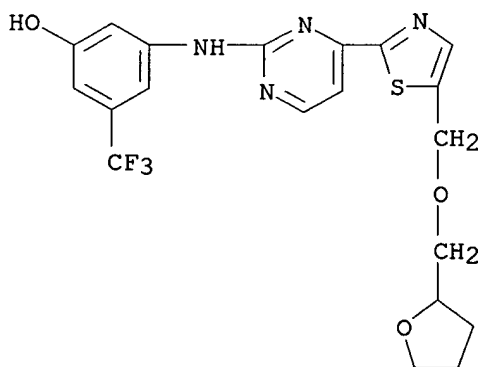
RN 774230-09-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-[5-(1-piperidinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



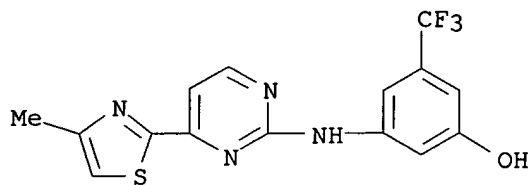
RN 774230-10-3 CAPLUS

CN Phenol, 3-[[4-[5-[[[(tetrahydro-2-furanyl)methoxy]methyl]-2-thiazolyl]-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



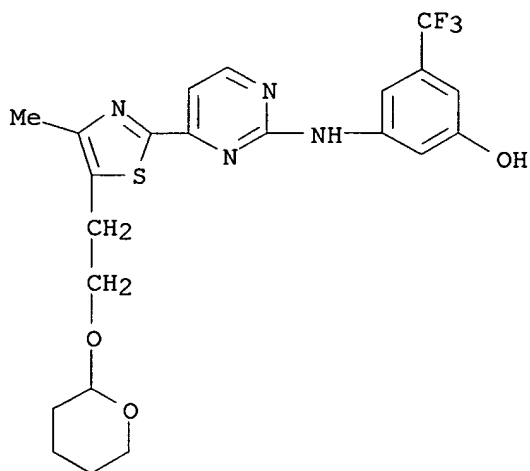
RN 774230-11-4 CAPLUS

CN Phenol, 3-[[4-(4-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



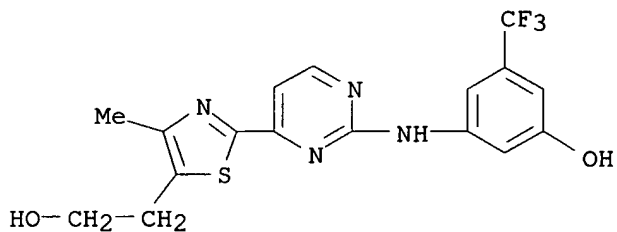
RN 774230-12-5 CAPLUS

CN Phenol, 3-[[4-[4-methyl-5-[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]-2-thiazolyl]-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



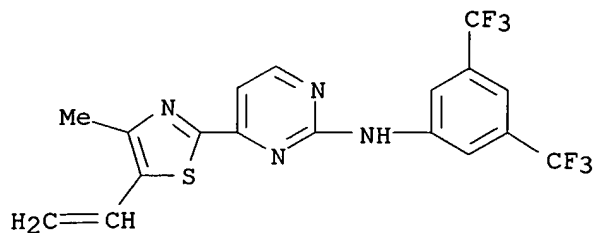
RN 774230-13-6 CAPLUS

CN 5-Thiazoleethanol, 2-[2-[[3-hydroxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



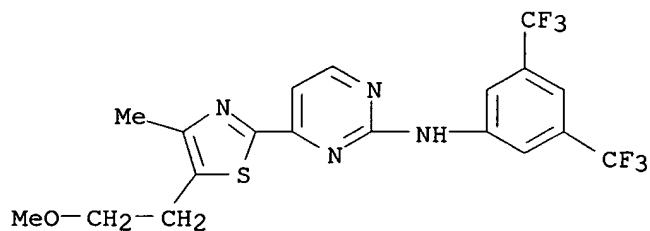
RN 774230-14-7 CAPLUS

CN 2-Pyrimidinamine, N-[3,5-bis(trifluoromethyl)phenyl]-4-(5-ethenyl-4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



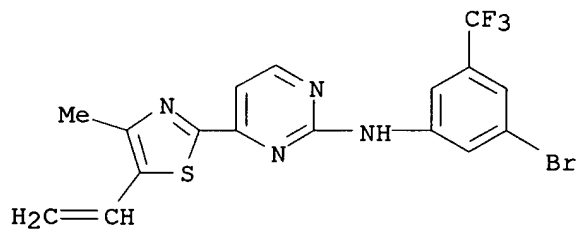
RN 774230-15-8 CAPLUS

CN 2-Pyrimidinamine, N-[3,5-bis(trifluoromethyl)phenyl]-4-[5-(2-methoxyethyl)-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



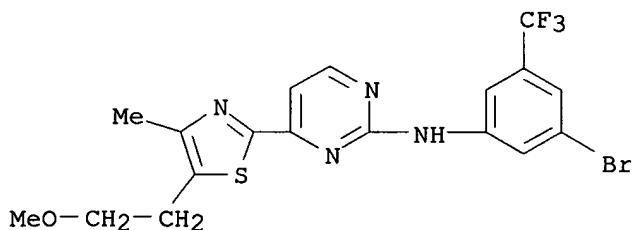
RN 774230-16-9 CAPLUS

CN 2-Pyrimidinamine, N-[3-bromo-5-(trifluoromethyl)phenyl]-4-(5-ethenyl-4-methyl-2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 774230-17-0 CAPLUS

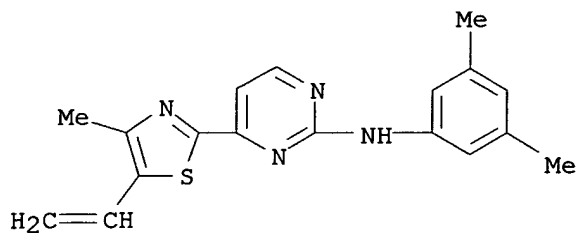
CN 2-Pyrimidinamine, N-[3-bromo-5-(trifluoromethyl)phenyl]-4-[5-(2-methoxyethyl)-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 774230-18-1 CAPLUS

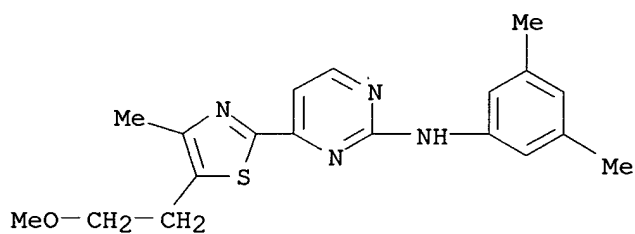
CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(5-ethenyl-4-methyl-2-

thiazolyl)- (9CI) (CA INDEX NAME)



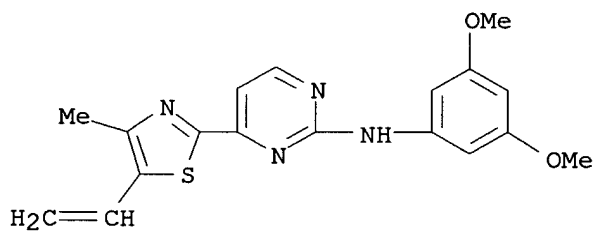
RN 774230-19-2 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(2-methoxyethyl)-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



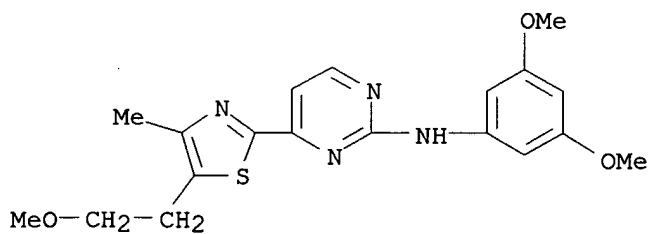
RN 774230-20-5 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-[5-(2-methoxyethyl)-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



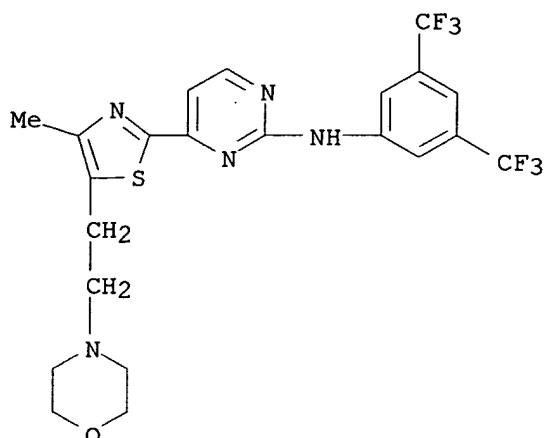
RN 774230-21-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethoxyphenyl)-4-[5-(2-methoxyethyl)-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



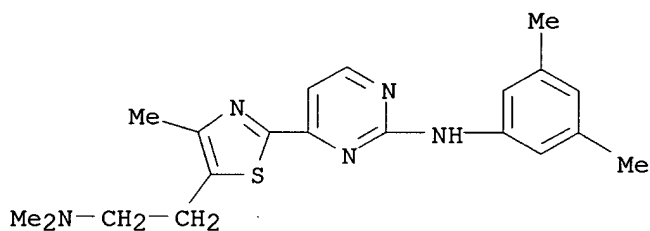
RN 774230-22-7 CAPLUS

CN 2-Pyrimidinamine, N-[3,5-bis(trifluoromethyl)phenyl]-4-[4-methyl-5-[2-(4-morpholinyl)ethyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



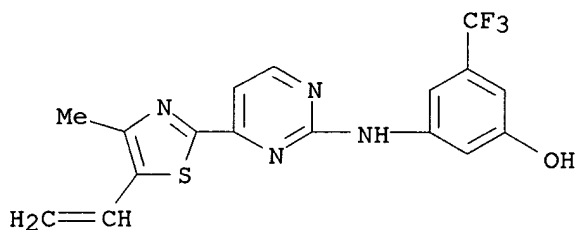
RN 774230-23-8 CAPLUS

CN 2-Pyrimidinamine, 4-[5-[2-(dimethylamino)ethyl]-4-methyl-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



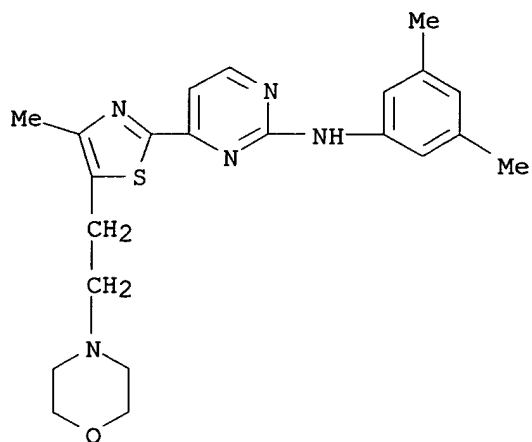
RN 774230-24-9 CAPLUS

CN Phenol, 3-[[4-(5-ethenyl-4-methyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



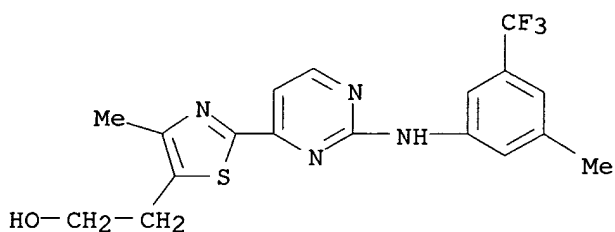
RN 774230-25-0 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-[2-(4-morpholinyl)ethyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



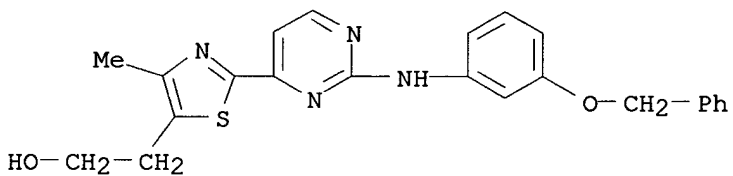
RN 774230-26-1 CAPLUS

CN 5-Thiazoleethanol, 4-methyl-2-[2-[[3-methyl-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



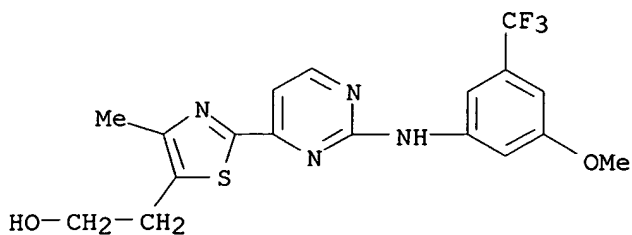
RN 774230-27-2 CAPLUS

CN 5-Thiazoleethanol, 4-methyl-2-[2-[[3-(phenylmethoxy)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



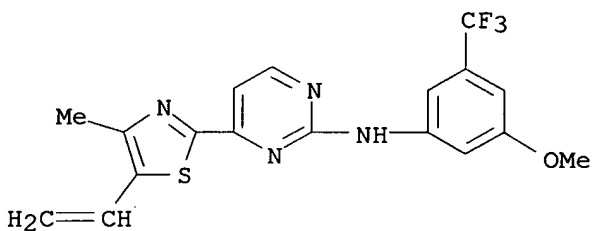
RN 774230-28-3 CAPLUS

CN 5-Thiazoleethanol, 2-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



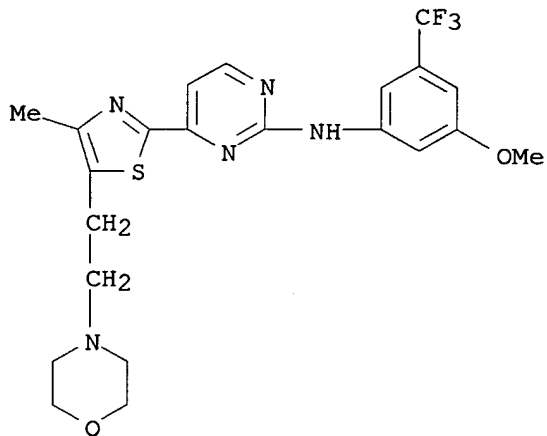
RN 774230-29-4 CAPLUS

CN 2-Pyrimidinamine, 4-(5-ethenyl-4-methyl-2-thiazolyl)-N-[3-methoxy-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



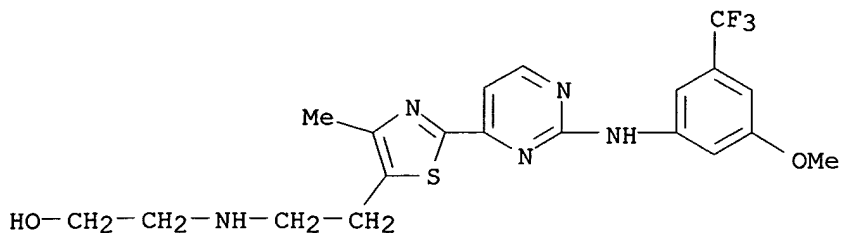
RN 774230-30-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-[4-methyl-5-[2-(4-morpholinyl)ethyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



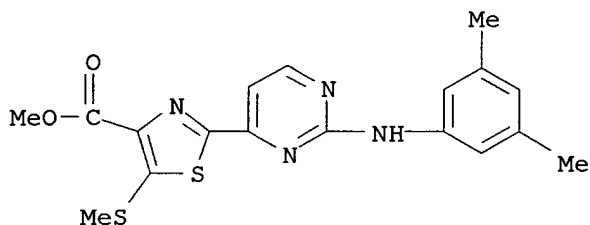
RN 774230-31-8 CAPLUS

CN Ethanol, 2-[[[2-[2-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]ethyl]amino]- (9CI) (CA INDEX NAME)



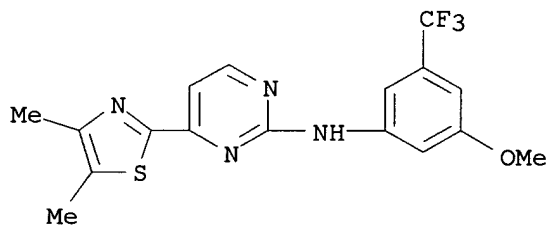
RN 774230-32-9 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-(methylthio)-, methyl ester (9CI) (CA INDEX NAME)



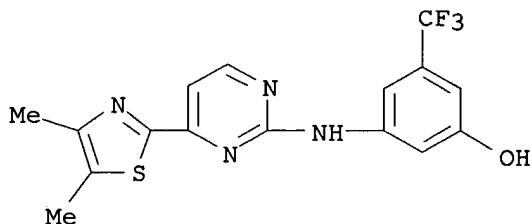
RN 774230-33-0 CAPLUS

CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-[3-methoxy-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 774230-34-1 CAPLUS

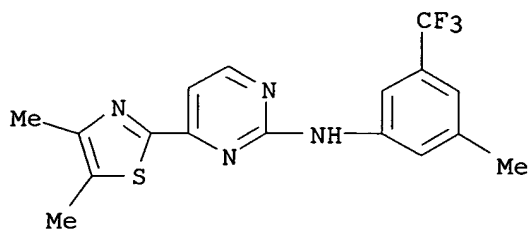
CN Phenol, 3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 774230-35-2 CAPLUS

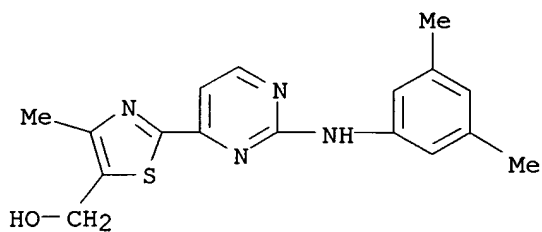
CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-[3-methyl-5-

(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



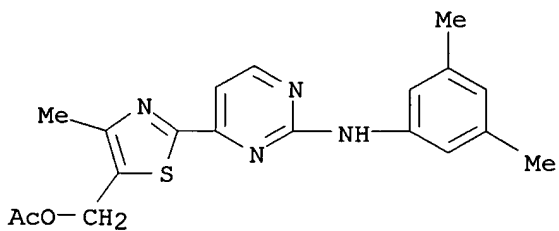
RN 774230-36-3 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



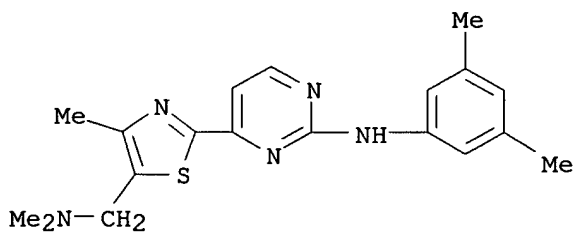
RN 774230-37-4 CAPLUS

CN 5-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-, acetate (ester) (9CI) (CA INDEX NAME)



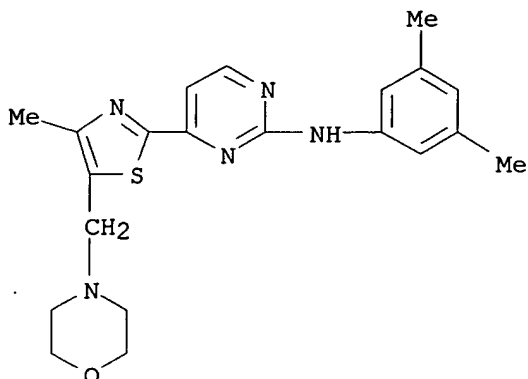
RN 774230-38-5 CAPLUS

CN 2-Pyrimidinamine, 4-[5-[(dimethylamino)methyl]-4-methyl-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



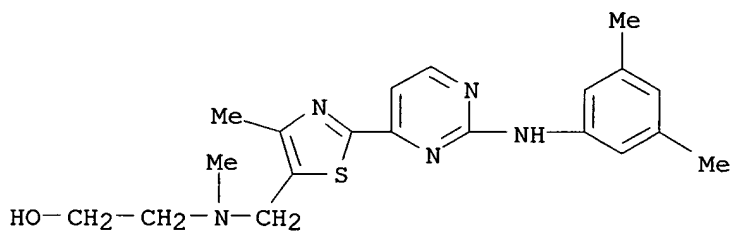
RN 774230-39-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-(4-morpholinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



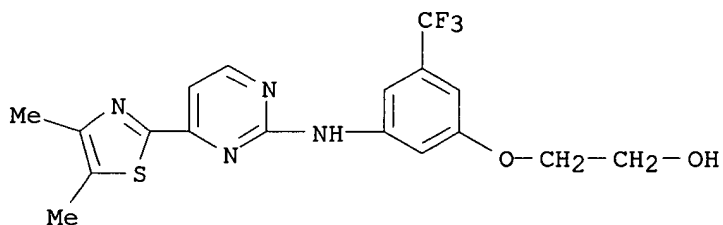
RN 774230-40-9 CAPLUS

CN Ethanol, 2-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]methylamino]- (9CI) (CA INDEX NAME)



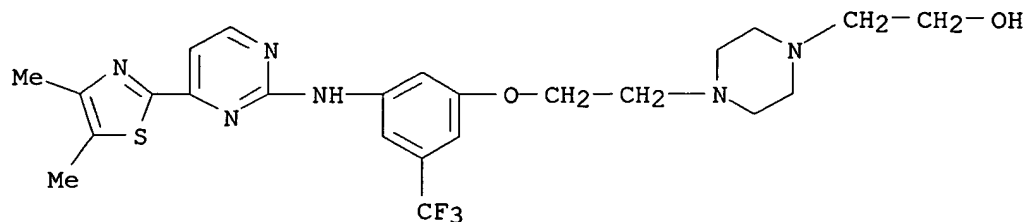
RN 774230-41-0 CAPLUS

CN Ethanol, 2-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenoxy]- (9CI) (CA INDEX NAME)



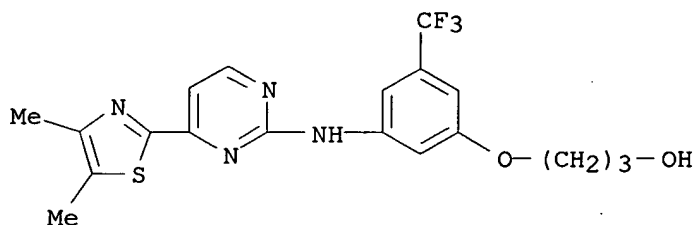
RN 774230-42-1 CAPLUS

CN 1-Piperazineethanol, 4-[2-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenoxy]ethyl]- (9CI) (CA INDEX NAME)



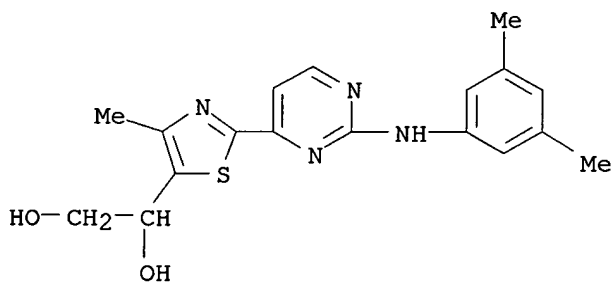
RN 774230-43-2 CAPLUS

CN 1-Propanol, 3-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenoxy]-(9CI) (CA INDEX NAME)



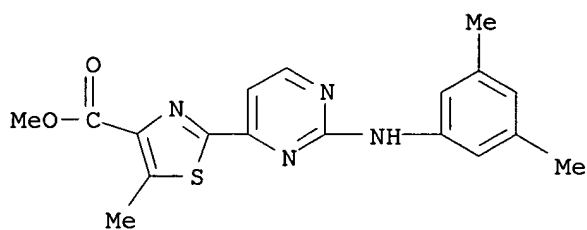
RN 774230-44-3 CAPLUS

CN 1,2-Ethanedione, 1-[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]-(9CI) (CA INDEX NAME)



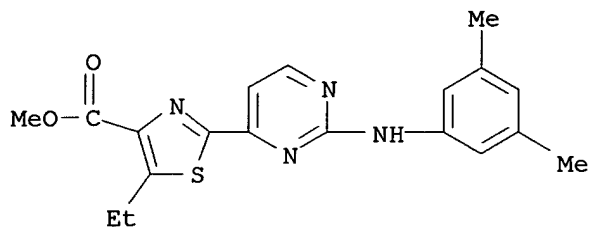
RN 774230-45-4 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)



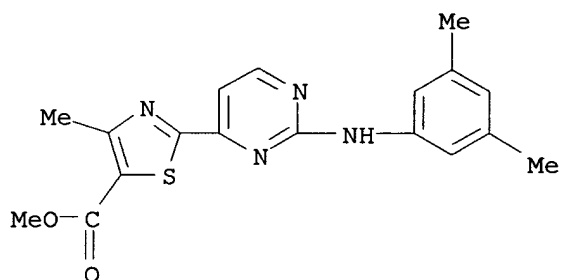
RN 774230-46-5 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-ethyl-, methyl ester (9CI) (CA INDEX NAME)



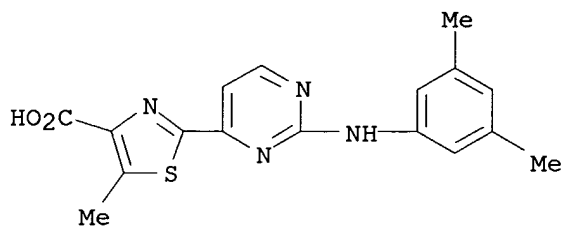
RN 774230-47-6 CAPLUS

CN 5-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-, methyl ester (9CI) (CA INDEX NAME)



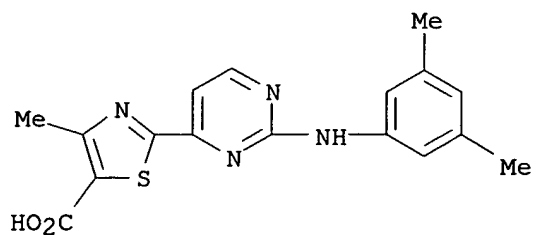
RN 774230-48-7 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-methyl- (9CI) (CA INDEX NAME)



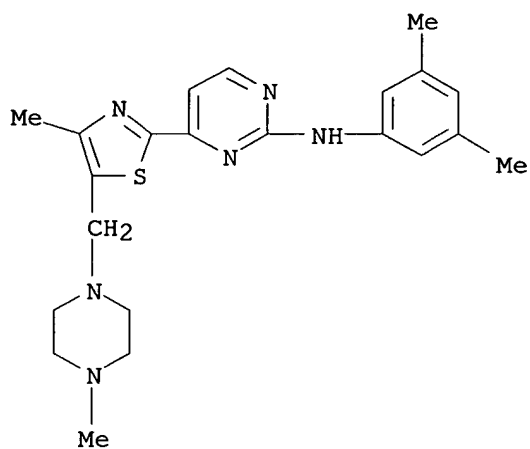
RN 774230-49-8 CAPLUS

CN 5-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl- (9CI) (CA INDEX NAME)



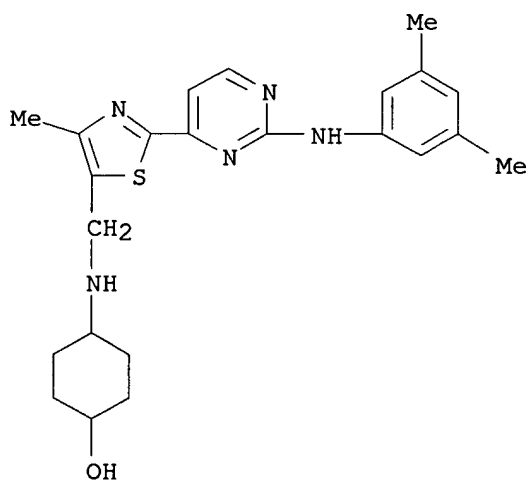
RN 774230-50-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-[(4-methyl-1-piperazinyl)methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



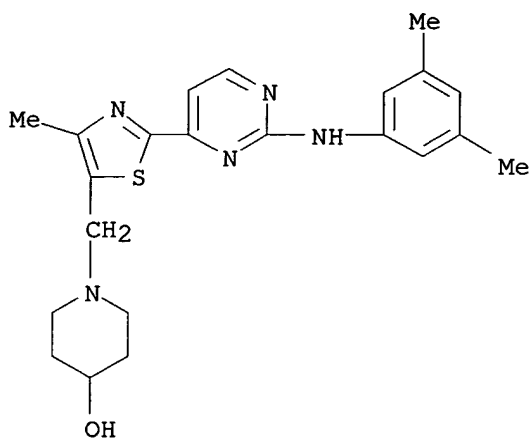
RN 774230-51-2 CAPLUS

CN Cyclohexanol, 4-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]amino]- (9CI) (CA INDEX NAME)



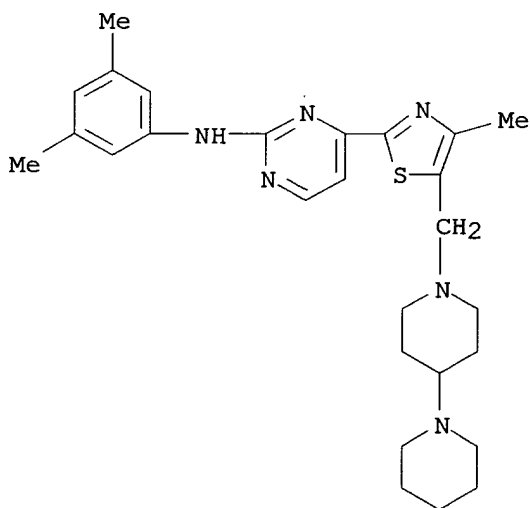
RN 774230-52-3 CAPLUS

CN 4-Piperidinol, 1-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



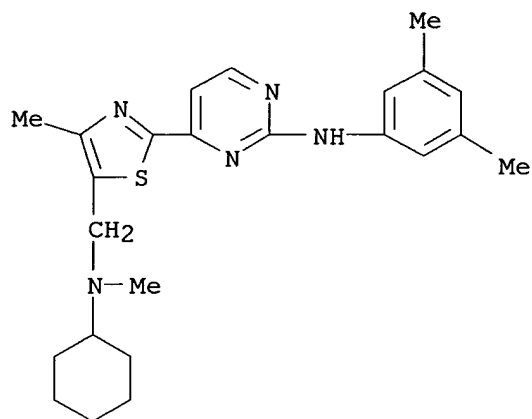
RN 774230-53-4 CAPLUS

CN 2-Pyrimidinamine, 4-[5-([1,4'-bipiperidin]-1'-ylmethyl)-4-methyl-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



RN 774230-54-5 CAPLUS

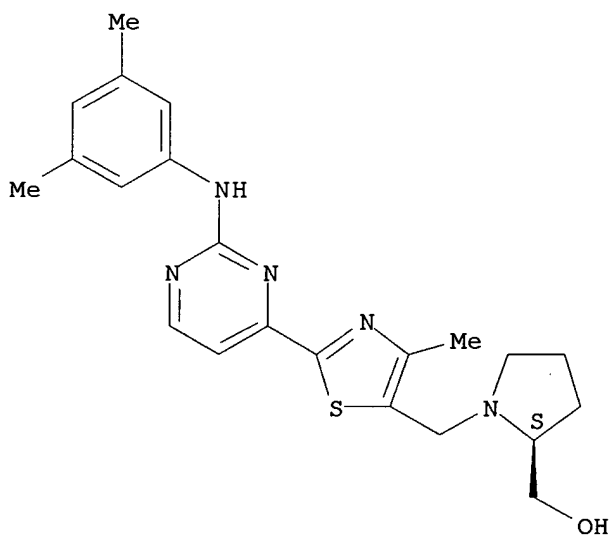
CN 2-Pyrimidinamine, 4-[5-[(cyclohexylmethylamino)methyl]-4-methyl-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



RN 774230-55-6 CAPLUS

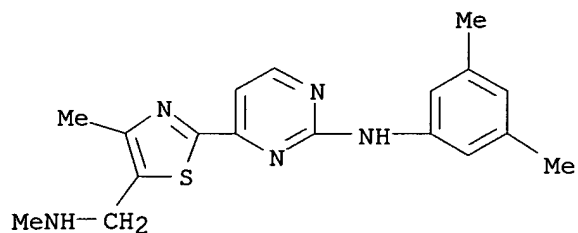
CN 2-Pyrrolidinemethanol, 1-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



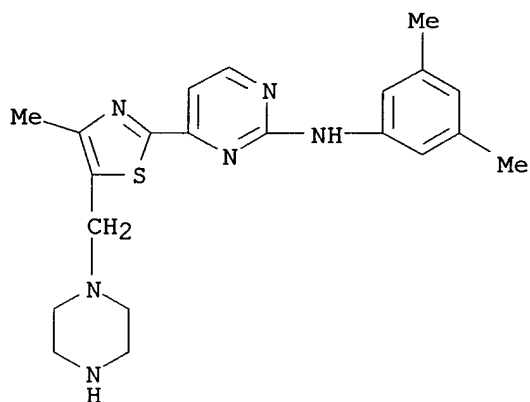
RN 774230-56-7 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-[(methylamino)methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



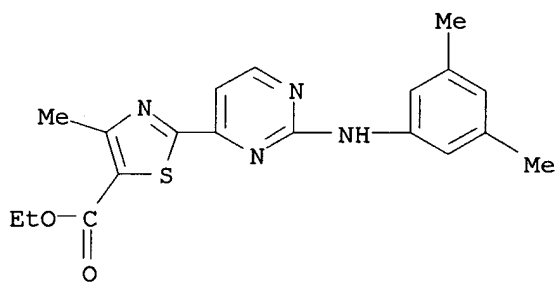
RN 774230-57-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-(1-piperazinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



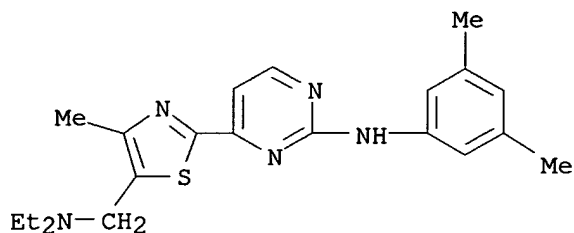
RN 774230-58-9 CAPLUS

CN 5-Thiazolecarboxylic acid, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)



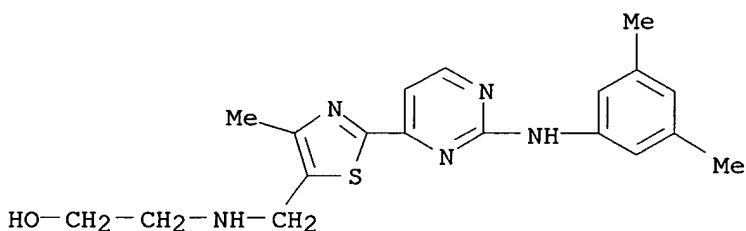
RN 774230-59-0 CAPLUS

CN 2-Pyrimidinamine, 4-[5-[(diethylamino)methyl]-4-methyl-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



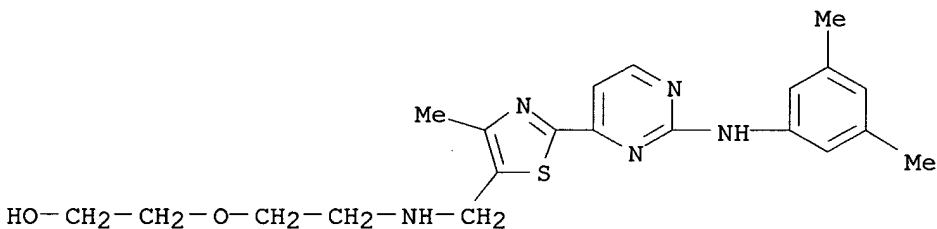
RN 774230-60-3 CAPLUS

CN Ethanol, 2-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]amino]- (9CI) (CA INDEX NAME)



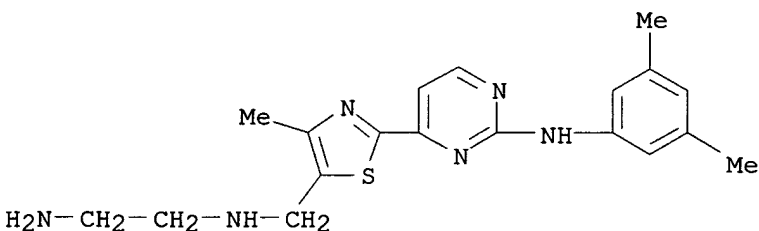
RN 774230-61-4 CAPLUS

CN Ethanol, 2-[2-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]amino]ethoxy]- (9CI) (CA INDEX NAME)



RN 774230-62-5 CAPLUS

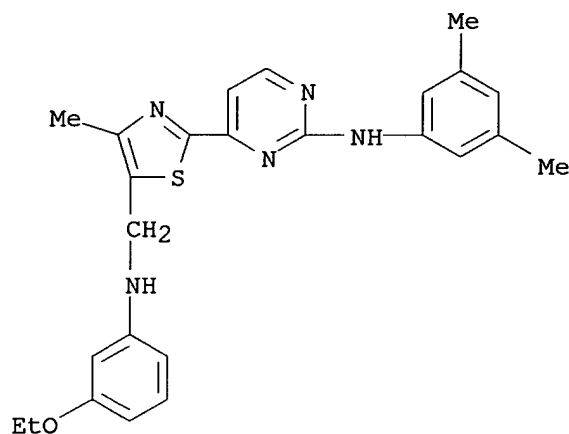
CN 1,2-Ethanediamine, N-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



RN 774230-63-6 CAPLUS

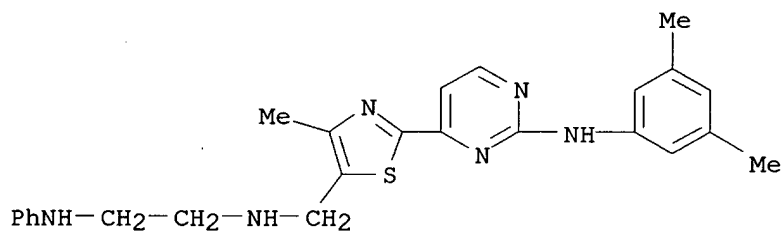
CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-[[[2-

ethoxyphenyl)amino]methyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



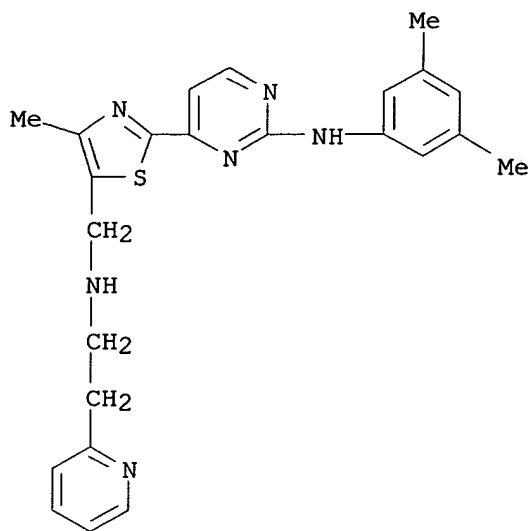
RN 774230-64-7 CAPLUS

CN 1,2-Ethanediamine, N-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]-N'-phenyl- (9CI) (CA INDEX NAME)



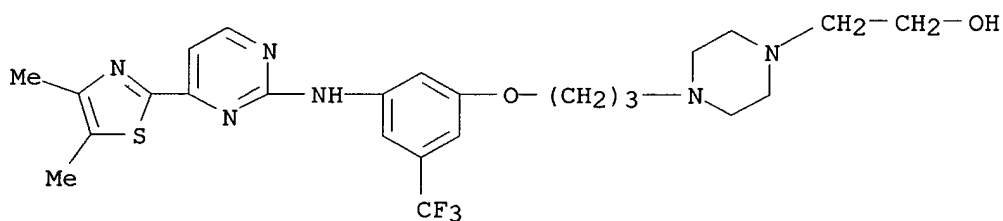
RN 774230-65-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-[[2-(2-phenylethyl)amino]methyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 774230-66-9 CAPLUS

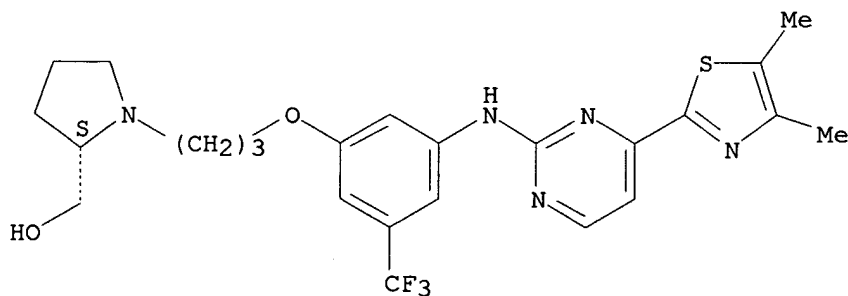
CN 1-Piperazineethanol, 4-[3-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenoxy]propyl]- (9CI) (CA INDEX NAME)



RN 774230-67-0 CAPLUS

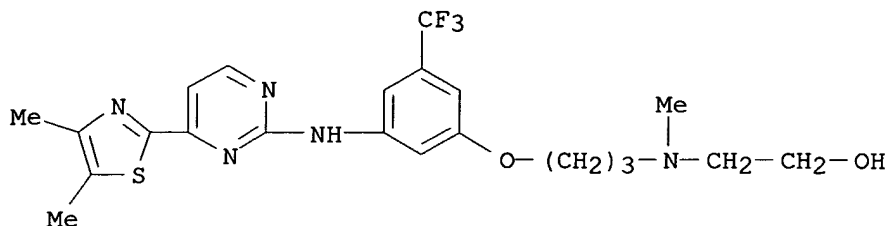
CN 2-Pyrrolidinemethanol, 1-[3-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenoxy]propyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 774230-68-1 CAPLUS

CN Ethanol, 2-[[3-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenoxy]propyl]methylamino]- (9CI) (CA INDEX NAME)



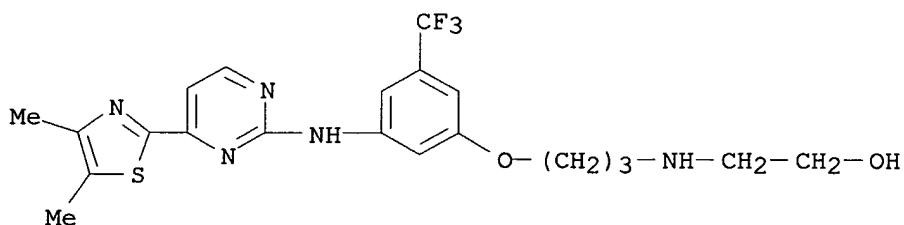
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 774230-87-4P 774230-88-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thiazoles as inhibitors of protein kinases)

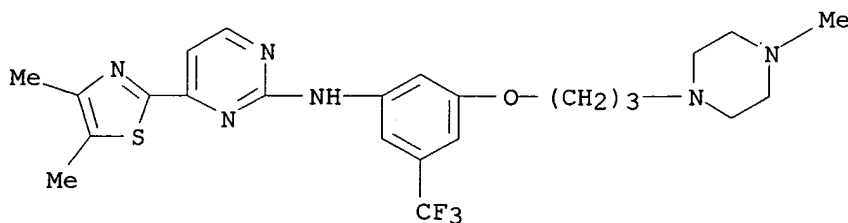
RN 774230-69-2 CAPLUS

CN Ethanol, 2-[[3-[3-[[4-(4,5-dimethyl-2-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)phenoxy]propyl]amino]- (9CI) (CA INDEX NAME)



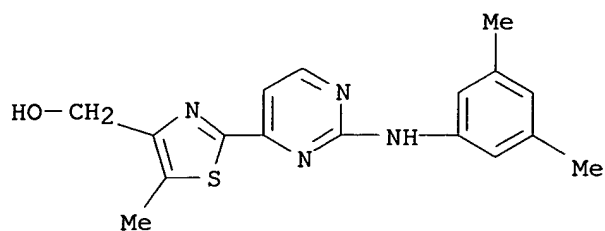
RN 774230-70-5 CAPLUS

CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-[3-[3-(4-methyl-1-piperazinyl)propoxy]-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



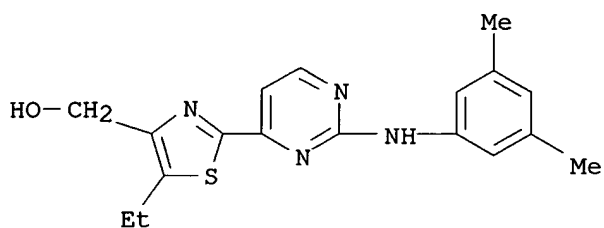
RN 774230-71-6 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-methyl- (9CI) (CA INDEX NAME)



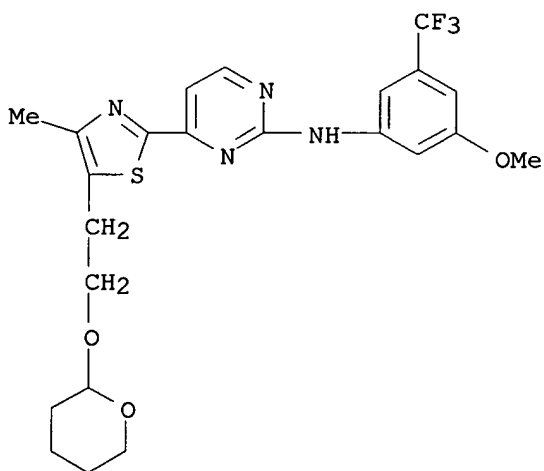
RN 774230-72-7 CAPLUS

CN 4-Thiazolemethanol, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-5-ethyl- (9CI) (CA INDEX NAME)



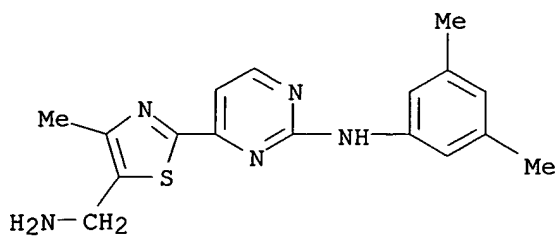
RN 774230-73-8 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-[4-methyl-5-[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



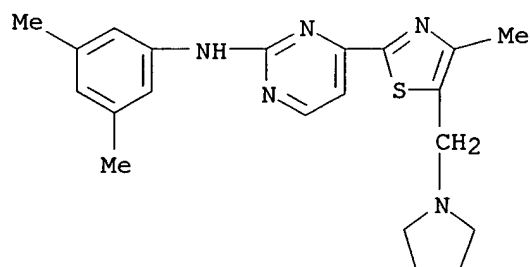
RN 774230-74-9 CAPLUS

CN 2-Pyrimidinamine, 4-[5-(aminomethyl)-4-methyl-2-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



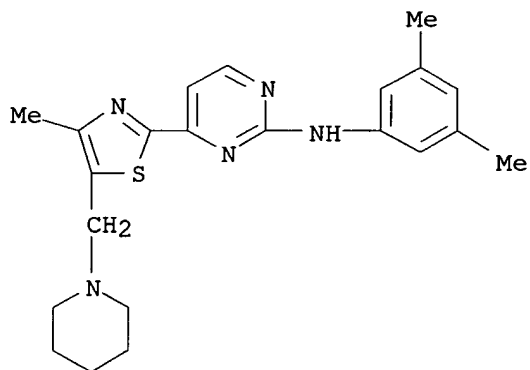
RN 774230-75-0 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-(1-pyrrolidinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



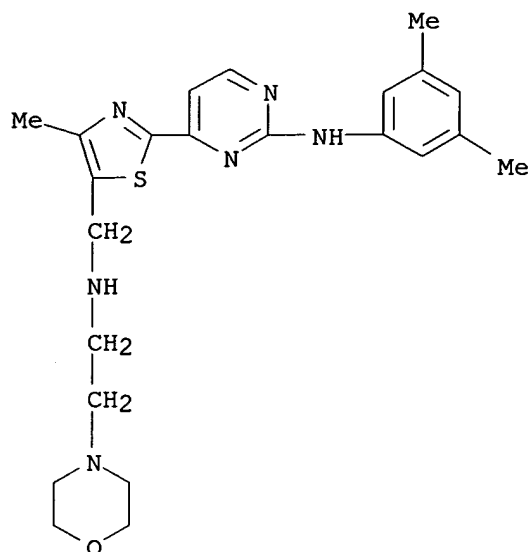
RN 774230-76-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[4-methyl-5-(1-piperidinylmethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



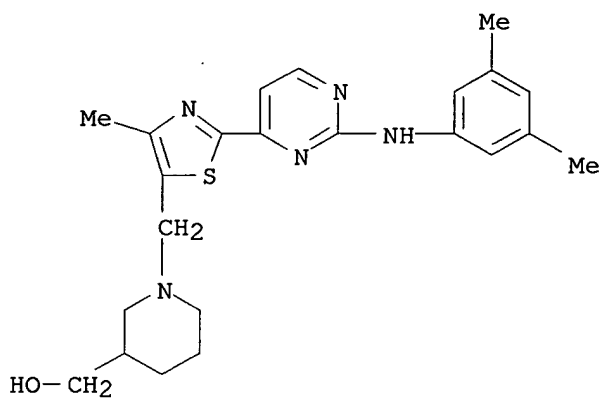
RN 774230-77-2 CAPLUS

CN 4-Morpholineethanamine, N-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



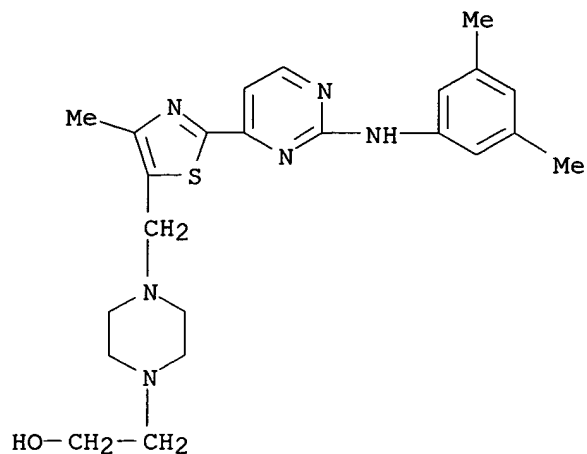
RN 774230-78-3 CAPLUS

CN 3-Piperidinemethanol, 1-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



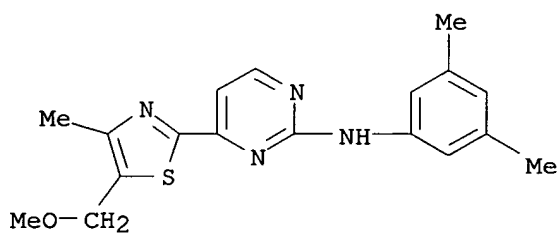
RN 774230-79-4 CAPLUS

CN 1-Piperazineethanol, 4-[[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



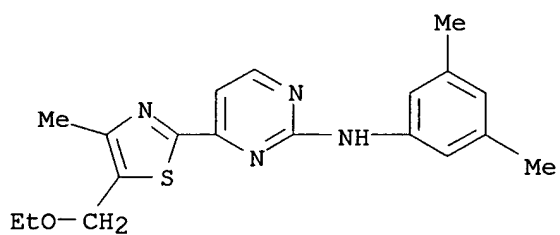
RN 774230-80-7 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(methoxymethyl)-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



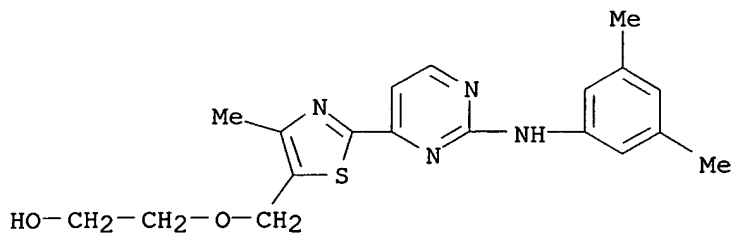
RN 774230-81-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[5-(ethoxymethyl)-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



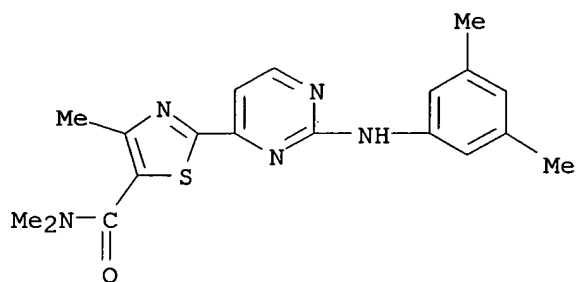
RN 774230-82-9 CAPLUS

CN Ethanol, 2-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]methoxy]- (9CI) (CA INDEX NAME)



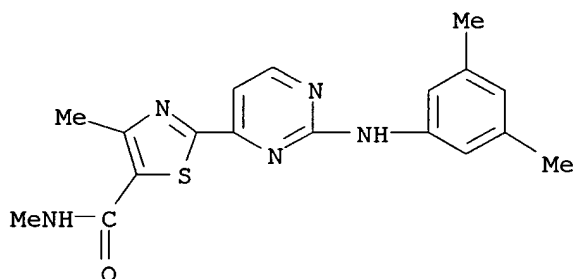
RN 774230-83-0 CAPLUS

CN 5-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-N,N,4-trimethyl- (9CI) (CA INDEX NAME)



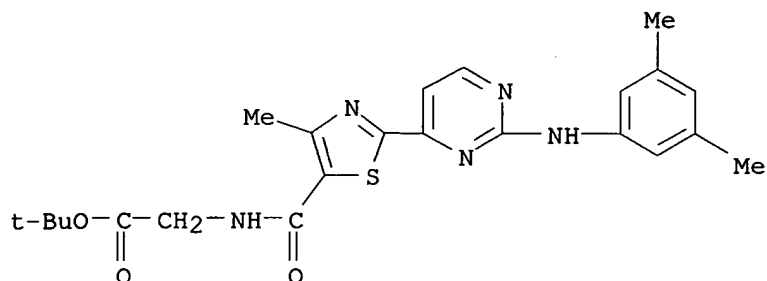
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CN 5-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-N,4-dimethyl- (9CI) (CA INDEX NAME)



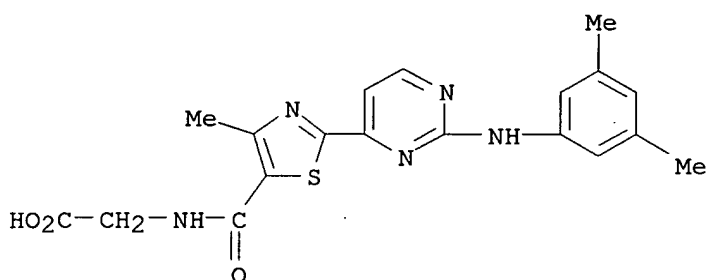
RN 774230-85-2 CAPLUS

CN Glycine, N-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]carbonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



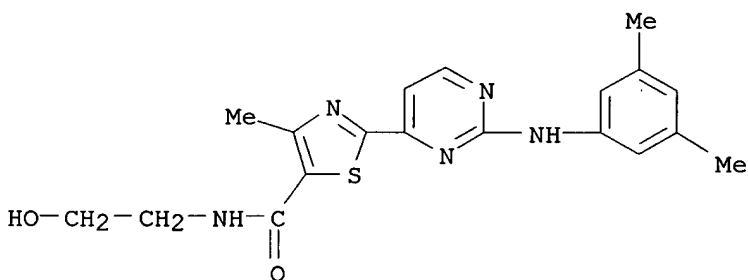
RN 774230-86-3 CAPLUS

CN Glycine, N-[[2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-4-methyl-5-thiazolyl]carbonyl]- (9CI) (CA INDEX NAME)



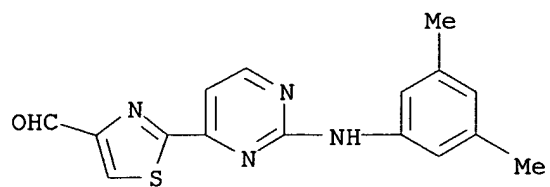
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CN 5-Thiazolecarboxamide, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-N-(2-hydroxyethyl)-4-methyl- (9CI) (CA INDEX NAME)



RN 774230-88-5 CAPLUS

CN 4-Thiazolecarboxaldehyde, 2-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 14 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:857594 CAPLUS
 DN 141:332212
 TI Preparation of aminopyrimidinyl-substituted thiazoles useful as inhibitors of protein kinases
 IN Farmer, Luc J.; Harrington, Edmund Martin; Salituro, Francesco G.; Wang, Jian
 PA Vertex Pharmaceuticals Incorporated, USA
 SO PCT Int. Appl., 76 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2004087698 | A2 | 20041014 | WO 2004-US9061 | 20040325 |
| | WO 2004087698 | A3 | 20041209 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
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| | CA 2523125 | AA | 20041014 | CA 2004-2523125 | 20040325 |
| | US 2004235834 | A1 | 20041125 | US 2004-809944 | 20040325 |
| | EP 1610793 | A2 | 20060104 | EP 2004-758287 | 20040325 |
| | R: | | | | |
| | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK | | | | |
| PRAI | US 2003-457218P | P | 20030325 | | |
| | WO 2004-US9061 | W | 20040325 | | |
| OS | CASREACT 141:332212; MARPAT 141:332212 | | | | |
| AB | Title compds. I [R1-2 = halo, CN, NO2, etc.; Ar1 = aryl, etc.; R3-4 = ZR7; Z = bond, alkylidene; R7 = halo, NO2, CN, alkoxy, etc.] are prepared General procedures are provided, e.g., [4-[2-((3,5-dimethylphenyl)amino)pyrimidin-4-yl]thiazol-2-yl]methanol. Selected example compds. of the invention exhibit Ki < 5 µM for Syk kinase. I are useful for the treatment of autoimmune disorders. | | | | |
| IT | 769933-80-4P 769933-81-5P 769933-83-7P 769933-84-8P 769933-85-9P 769933-86-0P 769933-88-2P 769933-89-3P 769933-91-7P 769933-92-8P 769933-93-9P 769933-94-0P 769933-96-2P 769933-97-3P 769933-98-4P 769934-00-1P 769934-01-2P 769934-02-3P 769934-03-4P 769934-05-6P 769934-09-0P 769934-10-3P 769934-11-4P 769934-12-5P 769934-13-6P 769934-14-7P 769934-16-9P 769934-17-0P 769934-19-2P 769934-20-5P 769934-21-6P 769934-22-7P 769934-23-8P 769934-24-9P 769934-25-0P 769934-26-1P 769934-27-2P 769934-28-3P 769934-29-4P 769934-30-7P 769934-31-8P 769934-32-9P 769934-33-0P 769934-34-1P 769934-35-2P | | | | |

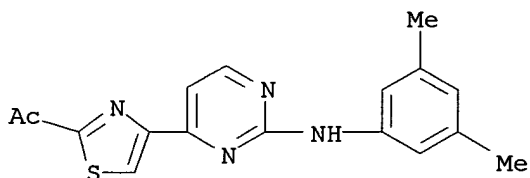
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminopyrimidinyl-substituted thiazoles useful as inhibitors of protein kinases for autoimmune disorders)

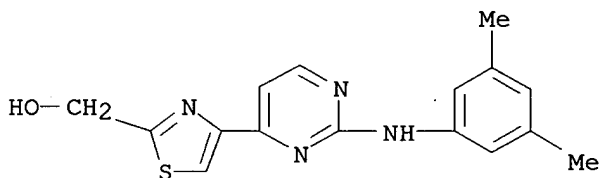
RN 769933-80-4 CAPLUS

CN Ethanone, 1-[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



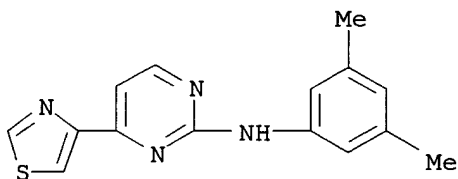
RN 769933-81-5 CAPLUS

CN 2-Thiazolemethanol, 4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



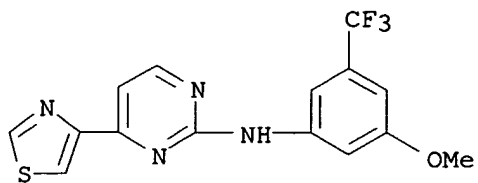
RN 769933-83-7 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(4-thiazolyl)- (9CI) (CA INDEX NAME)



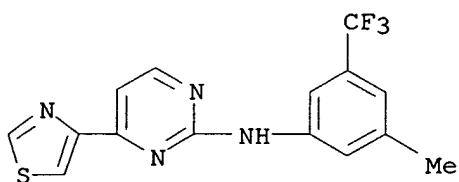
RN 769933-84-8 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-(4-thiazolyl)- (9CI) (CA INDEX NAME)



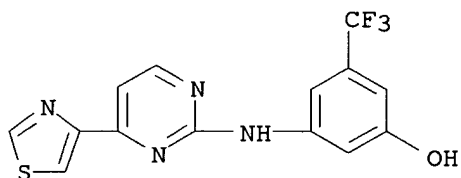
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CN 2-Pyrimidinamine, N-[3-methyl-5-(trifluoromethyl)phenyl]-4-(4-thiazolyl)-
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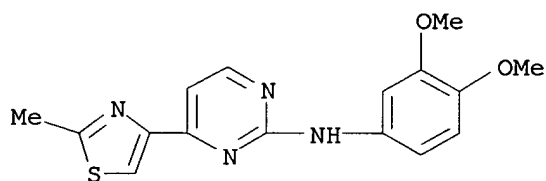
RN 769933-86-0 CAPLUS

CN Phenol, 3-[[4-(4-thiazolyl)-2-pyrimidinyl]amino]-5-(trifluoromethyl)-
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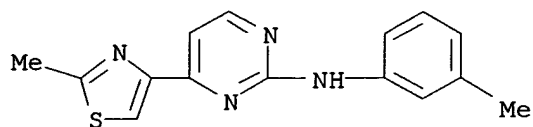
RN 769933-88-2 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-dimethoxyphenyl)-4-(2-methyl-4-thiazolyl)- (9CI)
(CA INDEX NAME)



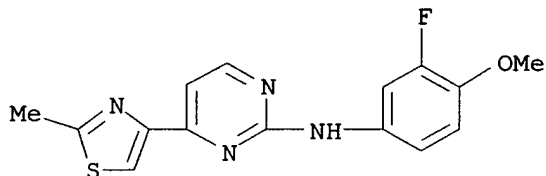
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CN 2-Pyrimidinamine, N-(3-methylphenyl)-4-(2-methyl-4-thiazolyl)- (9CI) (CA
INDEX NAME)



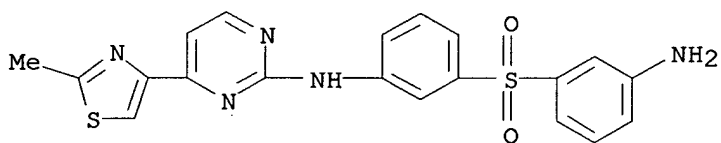
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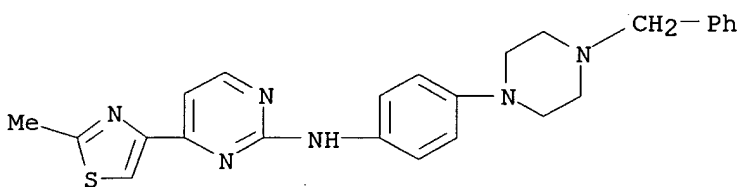
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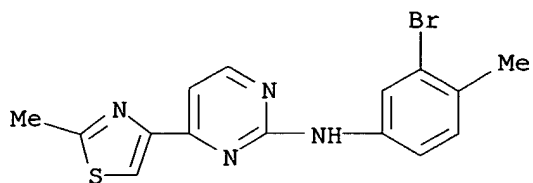
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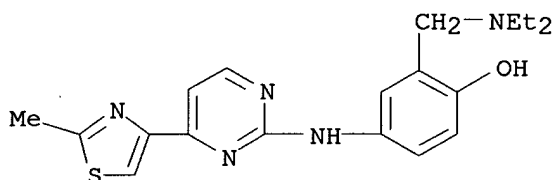
RN 769933-94-0 CAPLUS

CN 2-Pyrimidinamine, N-(3-bromo-4-methylphenyl)-4-(2-methyl-4-thiazolyl)- (9CI) (CA INDEX NAME)



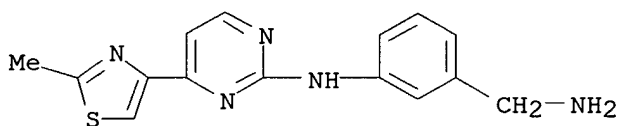
RN 769933-96-2 CAPLUS

CN Phenol, 2-[(diethylamino)methyl]-4-[[4-(2-methyl-4-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



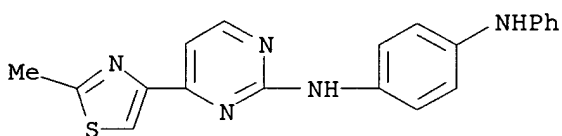
RN 769933-97-3 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-(2-methyl-4-thiazolyl)- (9CI) (CA INDEX NAME)



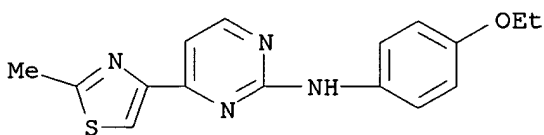
RN 769933-98-4 CAPLUS

CN 1,4-Benzenediamine, N-[4-(2-methyl-4-thiazolyl)-2-pyrimidinyl]-N'-phenyl- (9CI) (CA INDEX NAME)



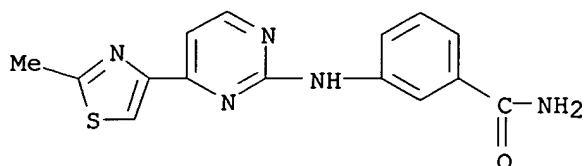
RN 769934-00-1 CAPLUS

CN 2-Pyrimidinamine, N-(4-ethoxyphenyl)-4-(2-methyl-4-thiazolyl)- (9CI) (CA INDEX NAME)



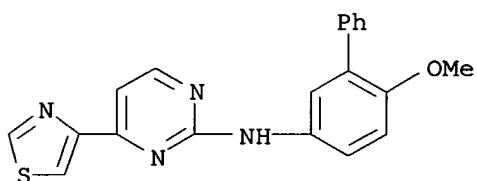
RN 769934-01-2 CAPLUS

CN Benzamide, 3-[[4-(2-methyl-4-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



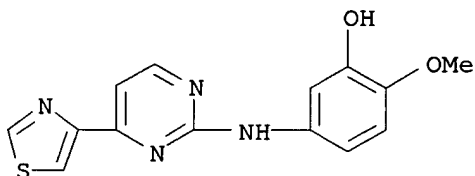
RN 769934-02-3 CAPLUS

CN 2-Pyrimidinamine, N-(6-methoxy[1,1'-biphenyl]-3-yl)-4-(4-thiazolyl)- (9CI) (CA INDEX NAME)



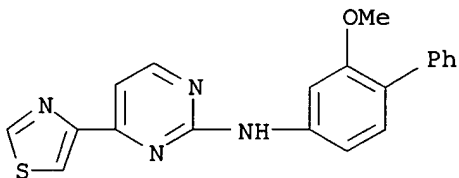
RN 769934-03-4 CAPLUS

CN Phenol, 2-methoxy-5-[[4-(4-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



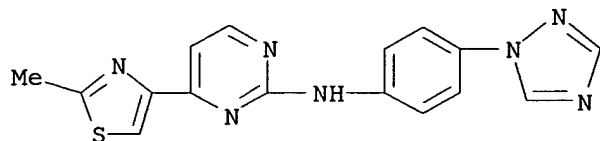
RN 769934-05-6 CAPLUS

CN 2-Pyrimidinamine, N-(2-methoxy[1,1'-biphenyl]-4-yl)-4-(4-thiazolyl)- (9CI) (CA INDEX NAME)



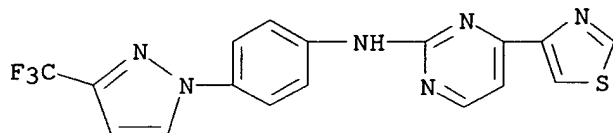
RN 769934-09-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-methyl-4-thiazolyl)-N-[4-(1H-1,2,4-triazol-1-yl)phenyl]- (9CI) (CA INDEX NAME)



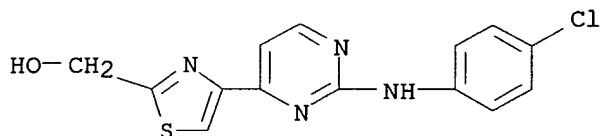
RN 769934-10-3 CAPLUS

CN 2-Pyrimidinamine, 4-(4-thiazolyl)-N-[4-[3-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl]- (9CI) (CA INDEX NAME)



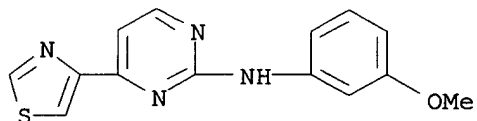
RN 769934-11-4 CAPLUS

CN 2-Thiazolemethanol, 4-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



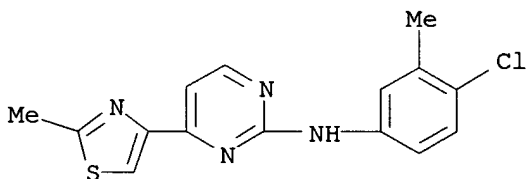
RN 769934-12-5 CAPLUS

CN 2-Pyrimidinamine, N-(3-methoxyphenyl)-4-(4-thiazolyl)- (9CI) (CA INDEX NAME)



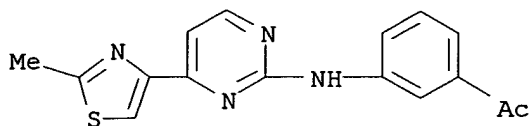
RN 769934-13-6 CAPLUS

CN 2-Pyrimidinamine, N-(4-chloro-3-methylphenyl)-4-(2-methyl-4-thiazolyl)- (9CI) (CA INDEX NAME)



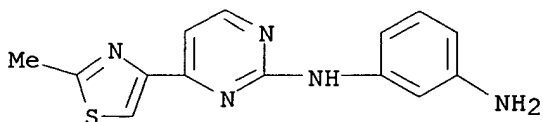
RN 769934-14-7 CAPLUS

CN Ethanone, 1-[3-[[4-(2-methyl-4-thiazolyl)-2-pyrimidinyl]amino]phenyl]-
(9CI) (CA INDEX NAME)



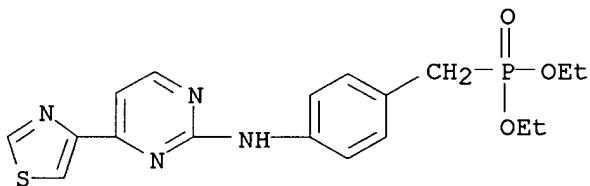
RN 769934-16-9 CAPLUS

CN 1,3-Benzenediamine, N-[4-(2-methyl-4-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



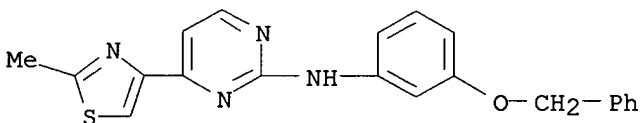
RN 769934-17-0 CAPLUS

CN Phosphonic acid, [[4-[[4-(4-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



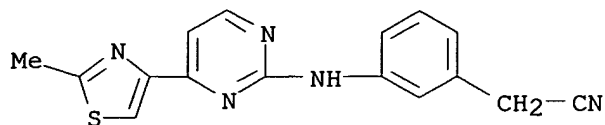
RN 769934-19-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2-methyl-4-thiazolyl)-N-[3-(phenylmethoxy)phenyl]-
(9CI) (CA INDEX NAME)



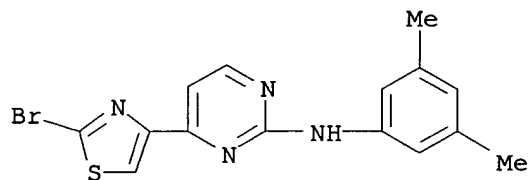
RN 769934-20-5 CAPLUS

CN Benzeneacetonitrile, 3-[[4-(2-methyl-4-thiazolyl)-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)



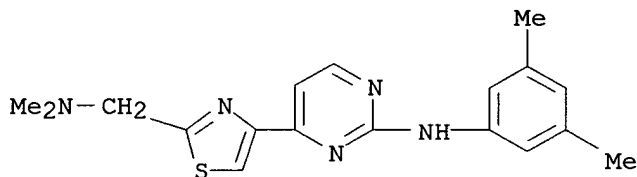
RN 769934-21-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-bromo-4-thiazolyl)-N-(3,5-dimethylphenyl)- (9CI)
(CA INDEX NAME)



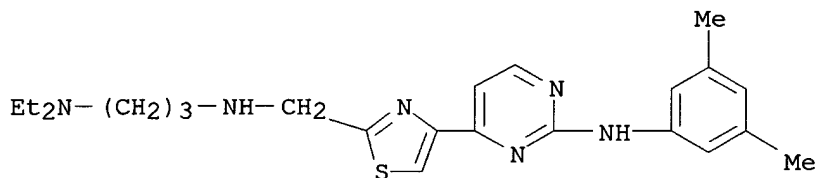
RN 769934-22-7 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(dimethylamino)methyl]-4-thiazolyl]-N-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)



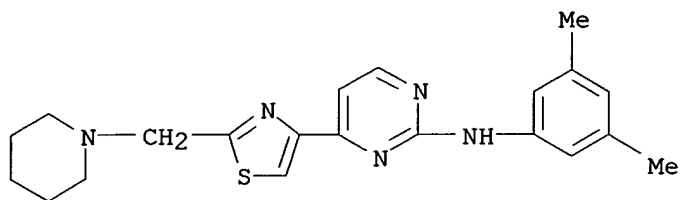
RN 769934-23-8 CAPLUS

CN 1,3-Propanediamine, N'-[[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]methyl]-N,N-diethyl- (9CI) (CA INDEX NAME)



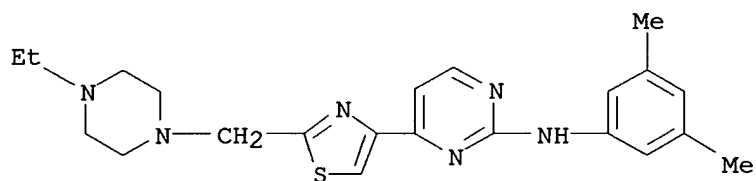
RN 769934-24-9 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[2-(1-piperidinylmethyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



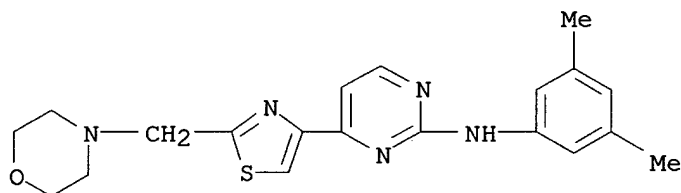
RN 769934-25-0 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[2-[(4-ethyl-1-piperazinyl)methyl]-4-thiazolyl]- (9CI) (CA INDEX NAME)



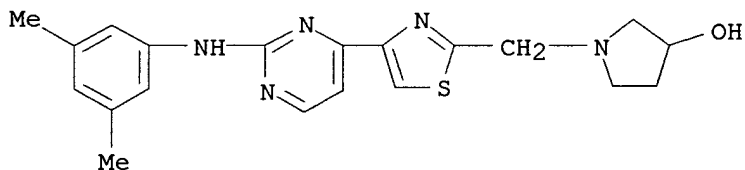
RN 769934-26-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[2-(4-morpholinylmethyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



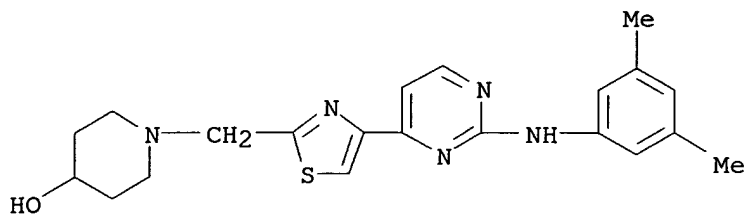
RN 769934-27-2 CAPLUS

CN 3-Pyrrolidinol, 1-[[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



RN 769934-28-3 CAPLUS

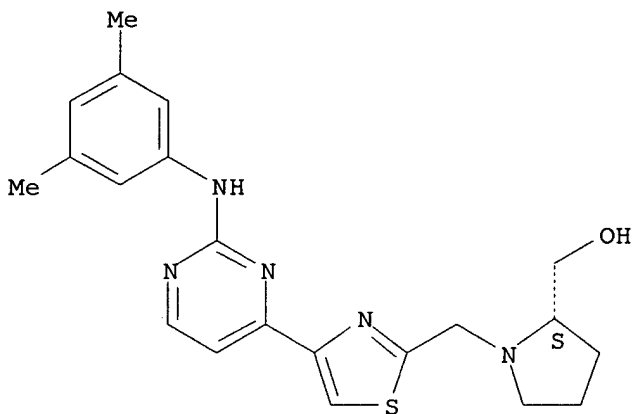
CN 4-Piperidinol, 1-[[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



RN 769934-29-4 CAPLUS

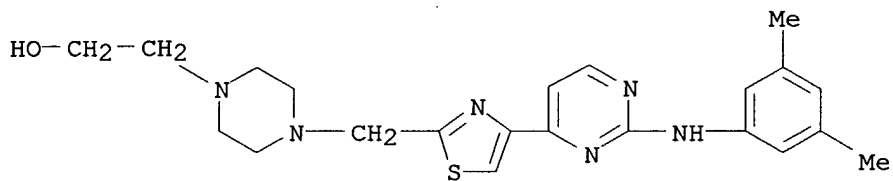
CN 2-Pyrrolidinemethanol, 1-[[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



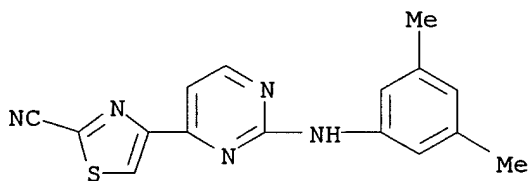
RN 769934-30-7 CAPLUS

CN 1-Piperazineethanol, 4-[[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



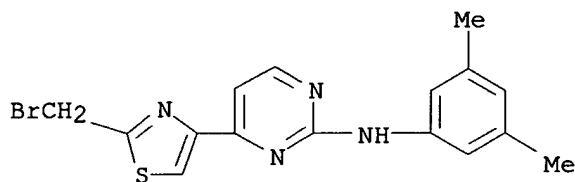
RN 769934-31-8 CAPLUS

CN 2-Thiazolecarbonitrile, 4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



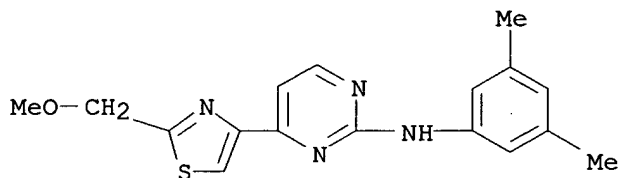
RN 769934-32-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(bromomethyl)-4-thiazolyl]-N-(3,5-dimethylphenyl)-(9CI) (CA INDEX NAME)



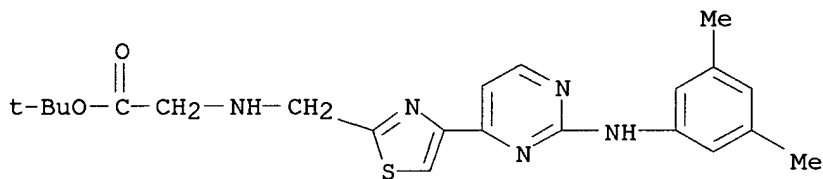
RN 769934-33-0 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[2-(methoxymethyl)-4-thiazolyl]-(9CI) (CA INDEX NAME)



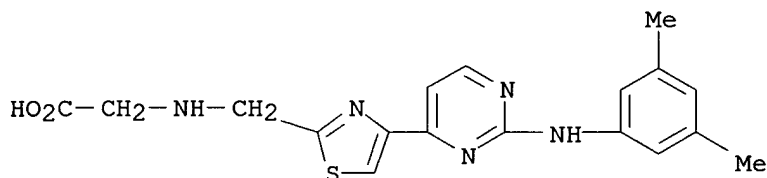
RN 769934-34-1 CAPLUS

CN Glycine, N-[[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



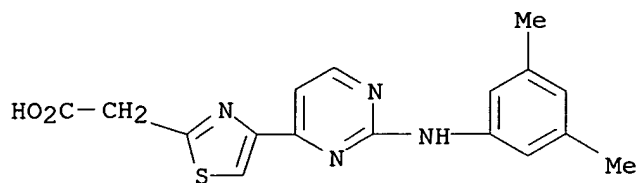
RN 769934-35-2 CAPLUS

CN Glycine, N-[[4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-2-thiazolyl]methyl]- (9CI) (CA INDEX NAME)



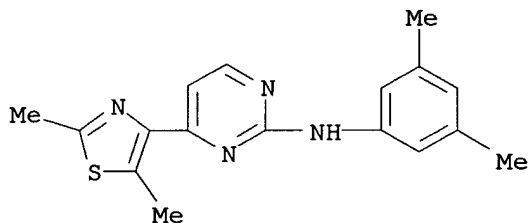
RN 769934-36-3 CAPLUS

CN 2-Thiazoleacetic acid, 4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-(9CI) (CA INDEX NAME)



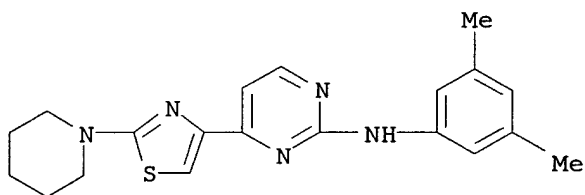
RN 769934-37-4 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(2,5-dimethyl-4-thiazolyl)-
(9CI) (CA INDEX NAME)



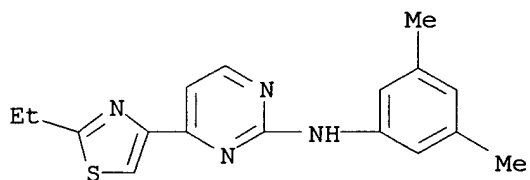
RN 769934-38-5 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-[2-(1-piperidinyl)-4-thiazolyl]-
(9CI) (CA INDEX NAME)



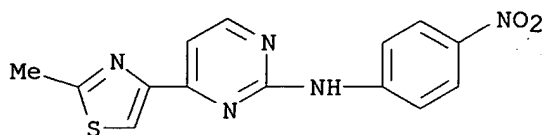
RN 769934-39-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(2-ethyl-4-thiazolyl)- (9CI)
(CA INDEX NAME)



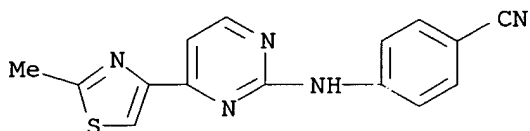
RN 769934-40-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2-methyl-4-thiazolyl)-N-(4-nitrophenyl)- (9CI) (CA
INDEX NAME)



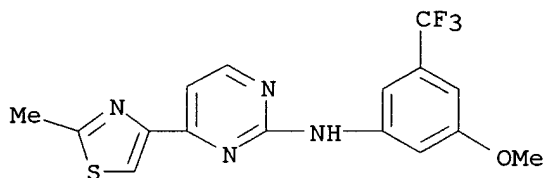
RN 769934-41-0 CAPLUS

CN Benzonitrile, 4-[[4-(2-methyl-4-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)



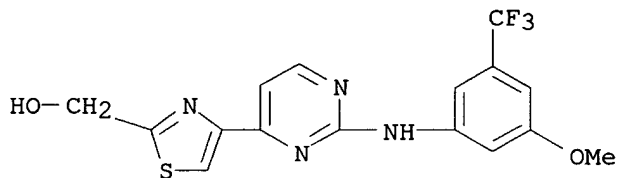
RN 769934-43-2 CAPLUS

CN 2-Pyrimidinamine, N-[3-methoxy-5-(trifluoromethyl)phenyl]-4-(2-methyl-4-thiazolyl)- (9CI) (CA INDEX NAME)



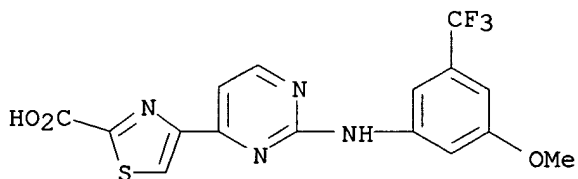
RN 769934-44-3 CAPLUS

CN 2-Thiazolemethanol, 4-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



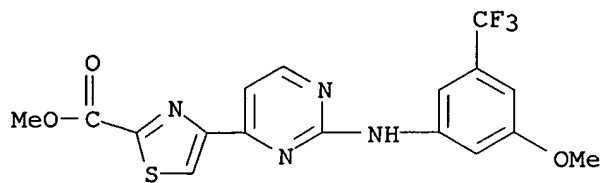
RN 769934-45-4 CAPLUS

CN 2-Thiazolecarboxylic acid, 4-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 769934-46-5 CAPLUS

CN 2-Thiazolecarboxylic acid, 4-[2-[[3-methoxy-5-(trifluoromethyl)phenyl]amino]-4-pyrimidinyl]-, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:756664 CAPLUS
 DN 141:243576
 TI Preparation of macrocycle amino compounds and compositions as
 cyclin-dependent protein kinase inhibitors
 IN Ren, Pingda; Adrian, Francisco; Gray, Nathanael S.; Wang, Xia
 PA IRM LLC, Bermuda
 SO PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004078682 | A2 | 20040916 | WO 2004-US6947 | 20040305 |
| | WO 2004078682 | A3 | 20051208 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, | | | | |
| | LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, | | | | |
| | NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, | | | | |
| | TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, | | | | |
| | BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, | | | | |
| | MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, | | | | |
| | GN, GQ, GW, ML, MR, NE, SN, TD, TG, AM, AZ, BY, KG, KZ, MD, RU, | | | | |
| | TJ, TM | | | | |
| | US 2004235841 | A1 | 20041125 | US 2004-794454 | 20040305 |
| PRAI | US 2003-452633P | P | 20030305 | | |

OS MARPAT 141:243576

AB The invention provides a novel class of cyclic compds. I, wherein n is 0-3; R1 hydrogen and alkyl; R2-R3 are independently substituted arylene and hetero-arylene; R4 4 is -XIR6(CH2)mNR7C(O)-, -XNR6(CH2)mNR7C(O)CH2-, -XR6(CH2)mNR7(CH2)mNR7C(O)-, -O(CH2)mNR7C(O)-, -NR6(CH2)mO- and -XNR6(CH2)mNR7CH2-; wherein X is a bond or C-alkylene; m is 1-6; R6 and R7 independently are hydrogen and alkyl; and R5 is halo, alkyl, halo-substituted alkyl, alkoxy and halo-substituted alkoxy and heterocycloalkyl; wherein any heterocycloalkyl of R5 is substituted with a group halo, alkyl, halo-substituted alkyl, alkoxy, halo-substituted alkoxy, heterocycloalkyl-alkyl and -XNR8R9, wherein X is a bond or alkylene; R8 and R9 are independently hydrogen and alkyl; or a salt thereof pharmaceutical compns. comprising such cyclic compds. and methods of using such compds. to treat or prevent diseases and disorders associated with cyclin-dependent kinases (CDKs) activity, particularly diseases associated with the activity of CDK2 and CDK5. Thus, macrocycle II was prepared and tested as CDK2 and CDK5 inhibitors.

IT 752245-59-3P 752245-60-6P 752245-61-7P

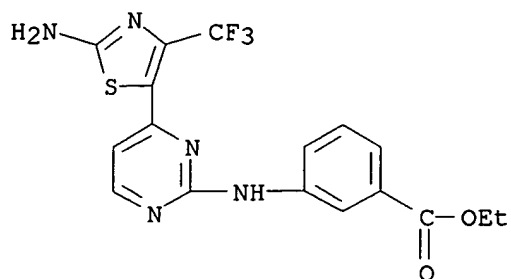
752245-62-8P 752245-63-9P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of macrocycle amino compds. and compns. as cyclin-dependent protein kinase inhibitors)

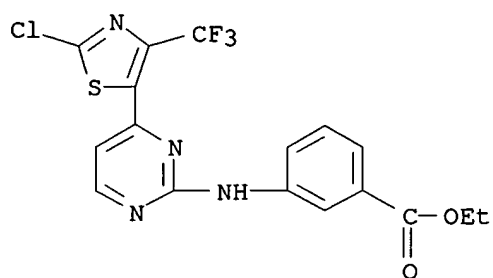
RN 752245-59-3 CAPLUS

CN Benzoic acid, 3-[[4-[2-amino-4-(trifluoromethyl)-5-thiazolyl]-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



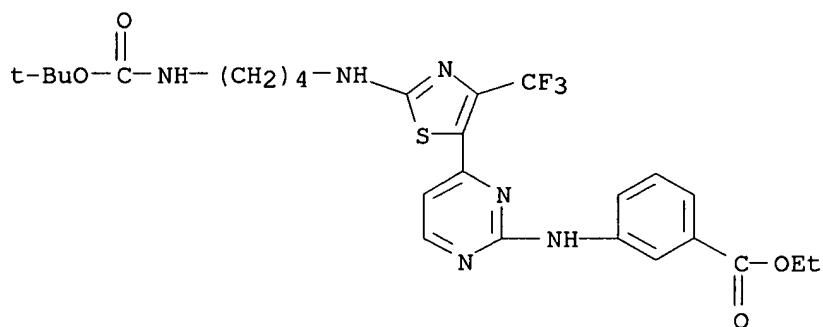
RN 752245-60-6 CAPLUS

CN Benzoic acid, 3-[[4-[2-chloro-4-(trifluoromethyl)-5-thiazolyl]-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



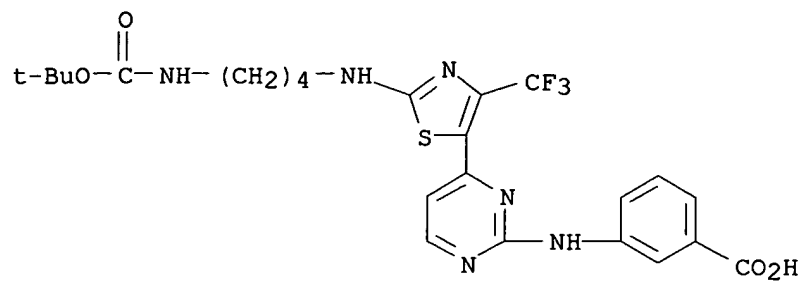
RN 752245-61-7 CAPLUS

CN Benzoic acid, 3-[[4-[2-[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]butyl]amino]-4-(trifluoromethyl)-5-thiazolyl]-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



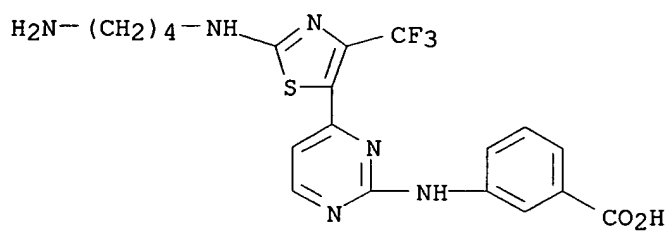
RN 752245-62-8 CAPLUS

CN Benzoic acid, 3-[[4-[2-[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]butyl]amino]-4-(trifluoromethyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 752245-63-9 CAPLUS

CN Benzoic acid, 3-[[4-[2-[(4-aminobutyl)amino]-4-(trifluoromethyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 16 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:546415 CAPLUS
 DN 141:89104
 TI Preparation of 2-substituted 4-heteroarylpyrimidines as GSK3 inhibitors
 for the treatment of diabetes
 IN Wang, Shudong; Meades, Christopher; Wood, Gavin; Duncan, Kenneth; Zhevela,
 Daniella; Fischer, Peter
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 75 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | WO 2004056368 | A1 | 20040708 | WO 2003-GB5558 | 20031218 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2502138 | AA | 20040708 | CA 2003-2502138 | 20031218 |
| | AU 2003292444 | A1 | 20040714 | AU 2003-292444 | 20031218 |
| | EP 1572211 | A1 | 20050914 | EP 2003-768023 | 20031218 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | BR 2003016703 | A | 20051018 | BR 2003-16703 | 20031218 |
| | CN 1720049 | A | 20060111 | CN 2003-80104697 | 20031218 |
| | JP 2006515588 | T2 | 20060601 | JP 2004-561646 | 20031218 |
| | US 2005282843 | A1 | 20051222 | US 2005-140136 | 20050526 |
| PRAI | GB 2002-29581 | A | 20021219 | | |
| | WO 2003-GB5558 | W | 20031218 | | |

OS MARPAT 141:89104

AB Heteroarylpyrimidines of formula I [X, Y = S, (substituted) N, (substituted) C; R1 = alkyl, aryl, heteroaryl, halo, CF3, CN, (substituted) NH2, alkoxycarbonyl, etc.; R2-R4 = H, alkyl, aryl, heteroaryl, halo, CF3, NO2, OH, alkoxy, acyl, alkoxycarbonyl, (substituted) NH2, SO2-alkyl, etc.] are prepared for use in a medicament for treating diabetes. The compds. of the invention also have applications in the treatment of CNS disorders, alopecia, cardiovascular disorders and stroke. Thus, II was prepared, and had IC50 of 0.005 μ M against GSK3 β .

IT 364334-42-9P 507487-89-0P 693290-48-1P
 693290-49-2P 693290-51-6P 693290-52-7P
 693290-53-8P 693290-54-9P 693290-55-0P
 693290-58-3P 693290-59-4P 693290-60-7P
 717111-31-4P

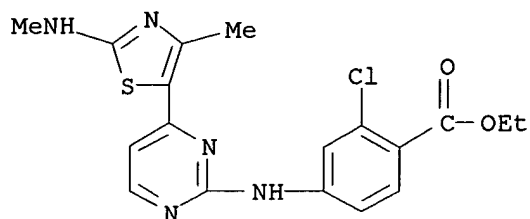
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of heteroarylpyrimidines as GSK3 inhibitors)

RN 364334-42-9 CAPLUS

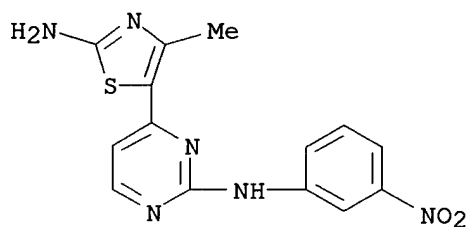
CN Benzoic acid, 2-chloro-4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-

pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



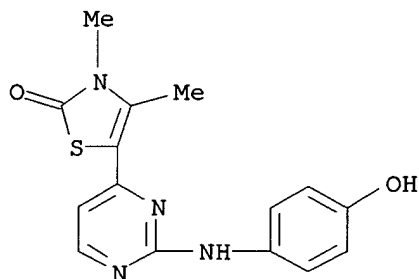
RN 507487-89-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



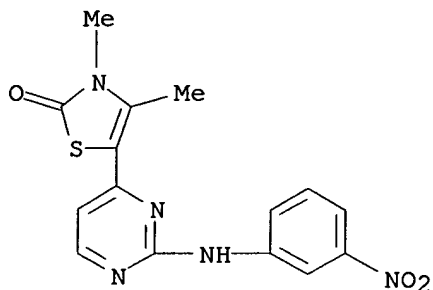
RN 693290-48-1 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-hydroxyphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



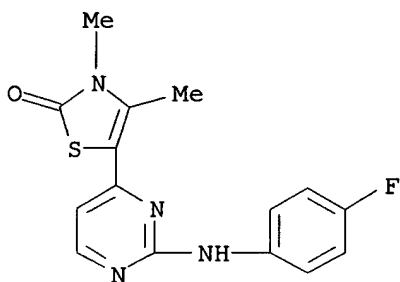
RN 693290-49-2 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



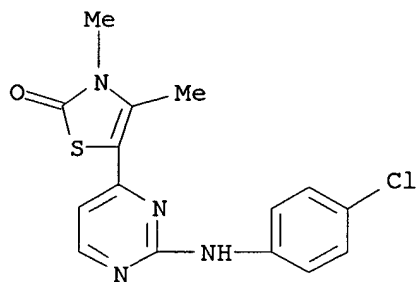
RN 693290-51-6 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl-
(9CI) (CA INDEX NAME)



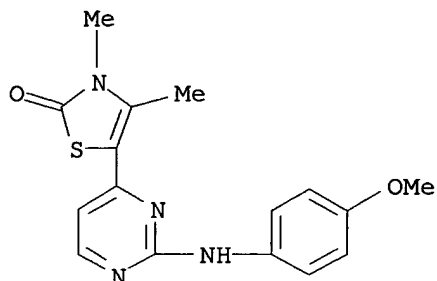
RN 693290-52-7 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl-
(9CI) (CA INDEX NAME)



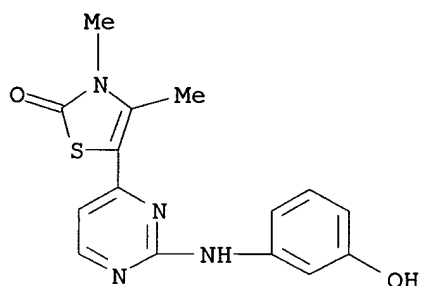
RN 693290-53-8 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-methoxyphenyl)amino]-4-pyrimidinyl]-3,4-
dimethyl- (9CI) (CA INDEX NAME)



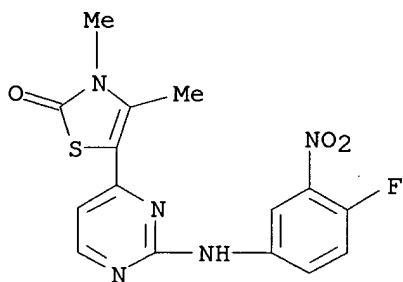
RN 693290-54-9 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(3-hydroxyphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



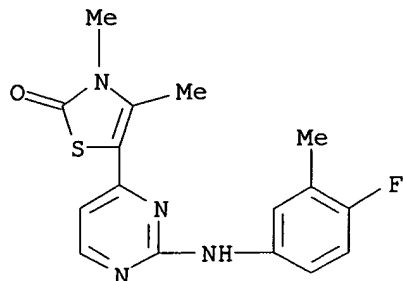
RN 693290-55-0 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluoro-3-nitrophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



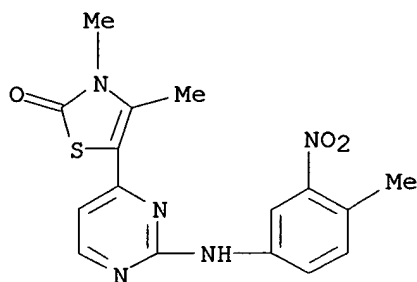
RN 693290-58-3 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluoro-3-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



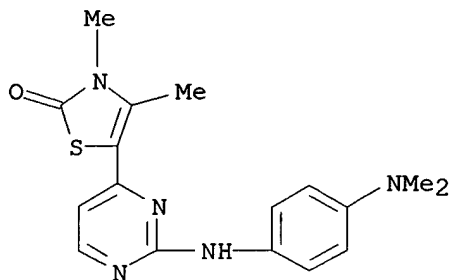
RN 693290-59-4 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[(4-methyl-3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



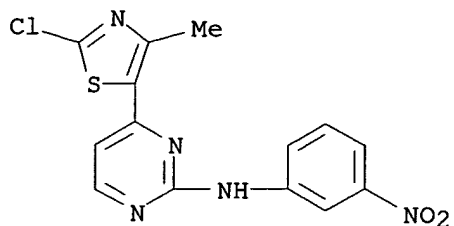
RN 693290-60-7 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-(dimethylamino)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



RN 717111-31-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2-chloro-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)

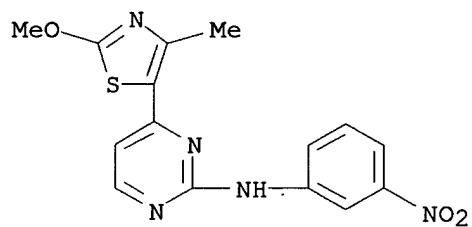


IT **507488-21-3**

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of heteroarylpyrimidines as GSK3 inhibitors)

RN 507488-21-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2-methoxy-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)-
(9CI) (CA INDEX NAME)



L4 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:430798 CAPLUS
 DN 141:7130
 TI Preparation of pyrimidine derivs. as inhibitors of cyclin-dependent kinases
 IN Wang, Shudong; Meades, Christopher; Wood, Gavin; O'Boyle, Janice; McInnes, Campbell; Fischer, Peter
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 127 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

Common Inv

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004043953 | A1 | 20040527 | WO 2003-GB4973 | 20031114 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2502190 | AA | 20040527 | CA 2003-2502190 | 20031114 |
| | AU 2003301977 | A1 | 20040603 | AU 2003-301977 | 20031114 |
| | EP 1567522 | A1 | 20050831 | EP 2003-811029 | 20031114 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | BR 2003016152 | A | 20050927 | BR 2003-16152 | 20031114 |
| | JP 2006514619 | T2 | 20060511 | JP 2004-550846 | 20031114 |
| | US 2005192300 | A1 | 20050901 | US 2004-991942 | 20041117 |
| PRAI | GB 2002-26583 | A | 20021114 | | |
| | WO 2003-GB4973 | W | 20031114 | | |
| OS | MARPAT 141:7130 | | | | |

X
No ODP
Compd (56) Excluded

AB The tile compds. I [X1 = S, X2 = N or (substituted)amino or X2 = S, X1 = N or (substituted)amino; Z = NH, NHCO, NHSO2, NHCH2, CH2, CH2CH2, CH=CH, SO2, or SO; R2 = OXO, or H, (substituted)alkyl, (substituted)aryl, (substituted)aralkyl, halo, NO2, CN, OH, etc.; R1, R3, R4, R5, R6, R7, and R8 = H, (substituted)alkyl, (substituted)aryl, (substituted)aralkyl, halo, NO2, CN, OH, etc.] were prepared as inhibitors of cyclin-dependent kinases (CDKs) for the treatment of proliferative disorders and/or viral disorders. For example, condensation of N'-[5-(3-dimethylamino-acryloyl)-4-methyl-thiazol-2-yl]-N,N-dimethyl-formamidine and N-(4-morpholin-4-yl-phenyl)-guanidine nitrate afforded compound II. In an assay against multiple kinases, II selectively inhibited CDKs, showing an IC50 of 0.48 μ M against CDK2/cyclin E, and 0.44 μ M against CDK2/cyclin A. Addnl. bioassays indicated II possessed anti-proliferative activity against human cancer cell lines, A549, HT29, Saos-2 with IC50 2.1, 1.7, and 1.9 μ M, resp.

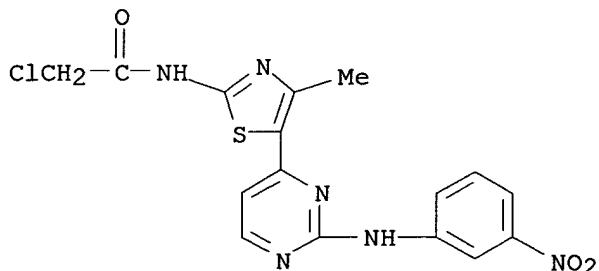
IT 507488-50-8P 693228-71-6P 693228-73-8P
 693228-97-6P 693228-99-8P 693229-41-3P
 693229-57-1P 693229-61-7P 693229-63-9P
 693229-69-5P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP

(Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrimidine derivs. as CDKs inhibitors)

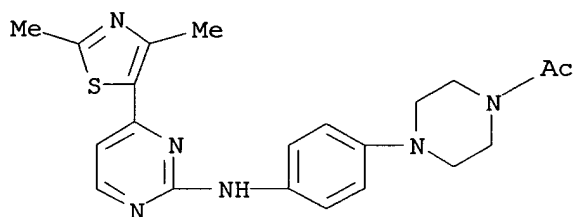
RN 507488-50-8 CAPLUS

CN Acetamide, 2-chloro-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



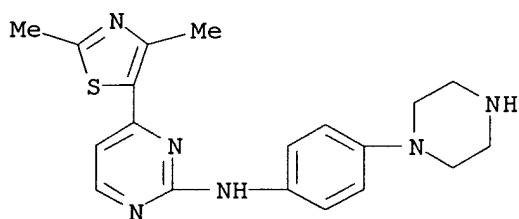
RN 693228-71-6 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



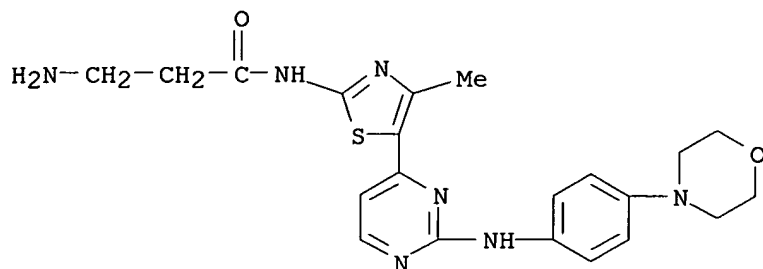
RN 693228-73-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



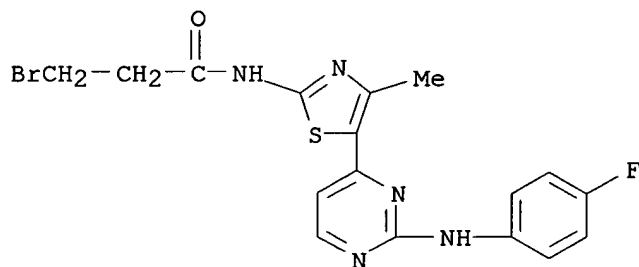
RN 693228-97-6 CAPLUS

CN Propanamide, 3-amino-N-[4-methyl-5-[2-[[4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



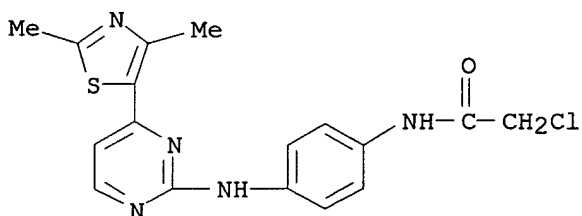
RN 693228-99-8 CAPLUS

CN Propanamide, 3-bromo-N-[5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



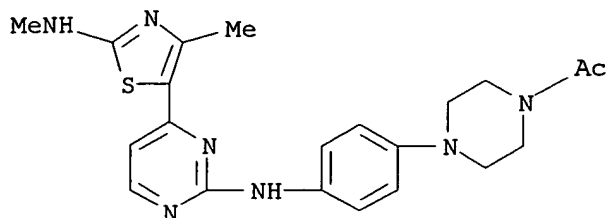
RN 693229-41-3 CAPLUS

CN Acetamide, 2-chloro-N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



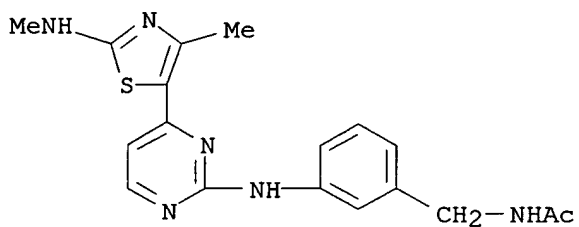
RN 693229-57-1 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



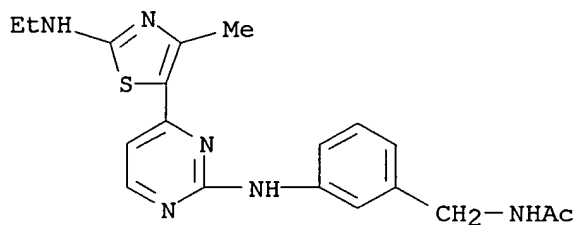
RN 693229-61-7 CAPLUS

CN Acetamide, N-[[3-[[4-[4-methyl-2-(methylanino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



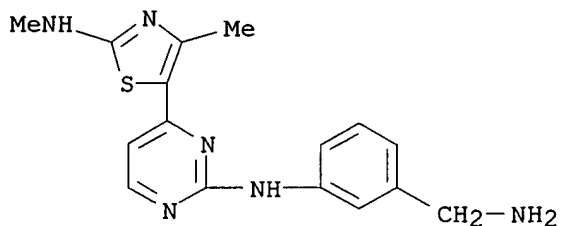
RN 693229-63-9 CAPLUS

CN Acetamide, N-[[3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 693229-69-5 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-[4-methyl-2-(methylanino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



IT 507488-47-3P 507488-51-9P 693228-63-6P
693228-65-8P 693228-67-0P 693228-69-2P

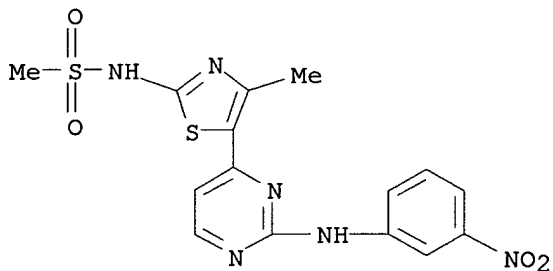
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of pyrimidine derivs. as CDKs inhibitors)

RN 507488-47-3 CAPLUS

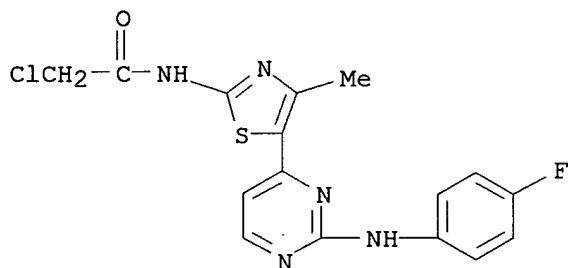
CN Methanesulfonamide, N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



[56]
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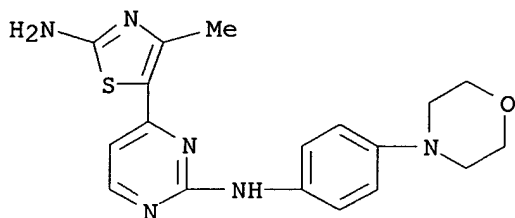
RN 507488-51-9 CAPLUS

CN Acetamide, 2-chloro-N-[5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



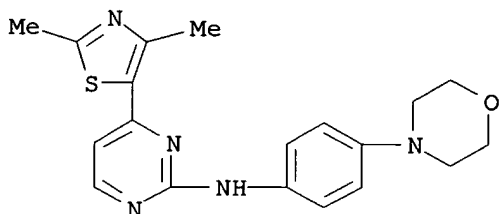
RN 693228-63-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



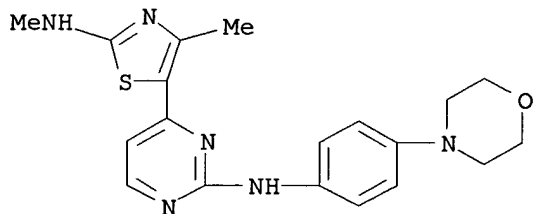
RN 693228-65-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



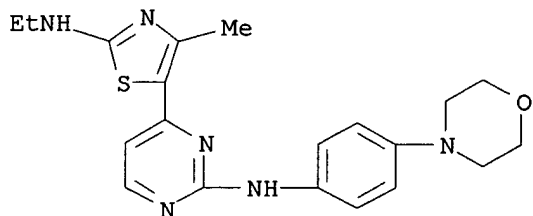
RN 693228-67-0 CAPLUS

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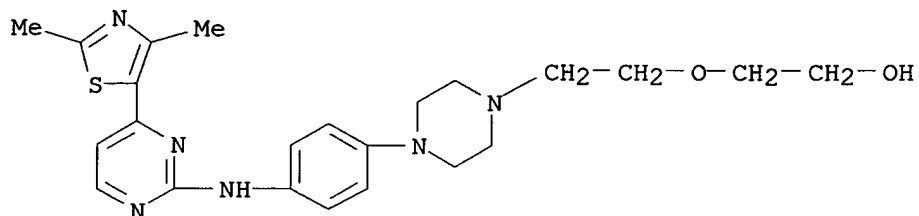
RN 693228-69-2 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



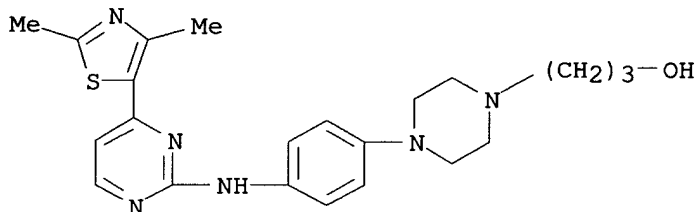
RN 693228-74-9 CAPLUS

CN Ethanol, 2-[2-[4-[4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-1-piperazinyl]ethoxy]- (9CI) (CA INDEX NAME)



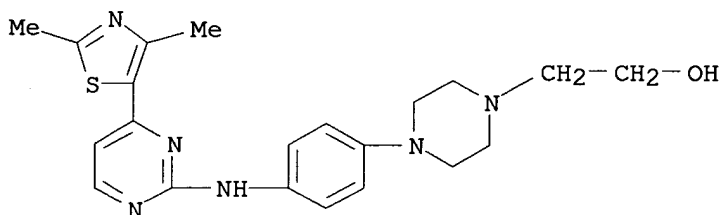
RN 693228-75-0 CAPLUS

CN 1-Piperazinepropanol, 4-[4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



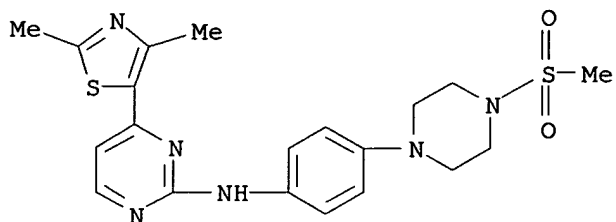
RN 693228-77-2 CAPLUS

CN 1-Piperazineethanol, 4-[4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



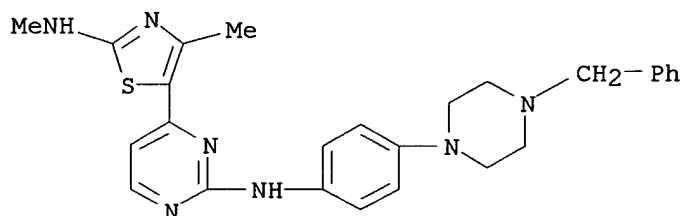
RN 693228-79-4 CAPLUS

CN Piperazine, 1-[4-[4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-4-(methylsulfonyl)- (9CI) (CA INDEX NAME)



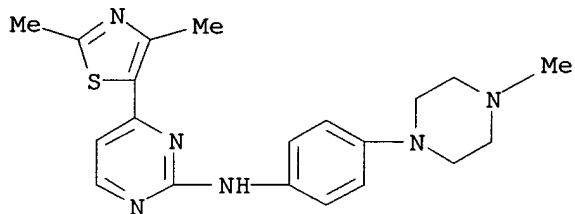
RN 693228-81-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-[4-(phenylmethyl)-1-piperazinyl]phenyl]- (9CI) (CA INDEX NAME)



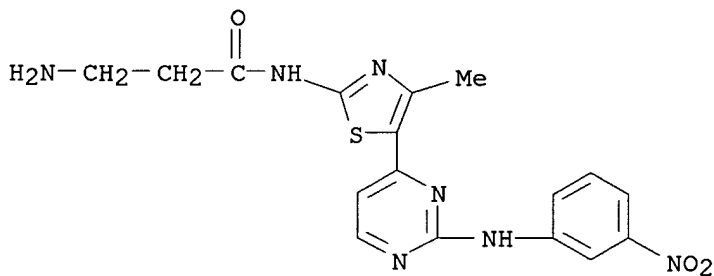
RN 693228-83-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-methyl-1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 693228-85-2 CAPLUS

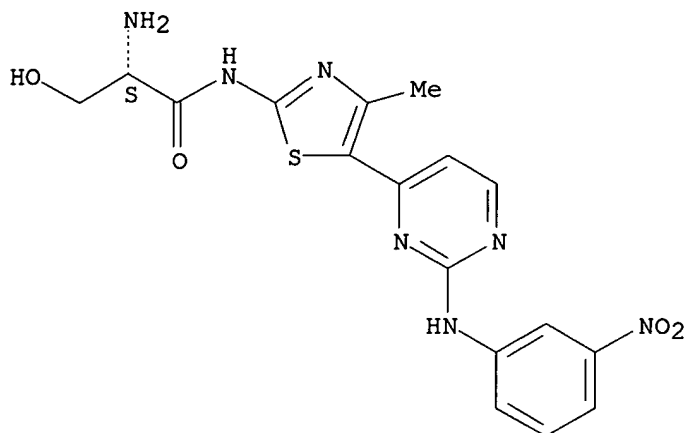
CN Propanamide, 3-amino-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 693228-87-4 CAPLUS

CN Propanamide, 2-amino-3-hydroxy-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]-, (2S)- (9CI) (CA INDEX NAME)

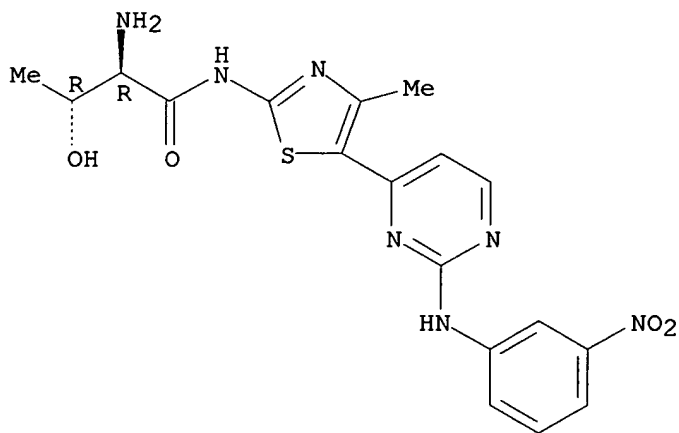
Absolute stereochemistry.



RN 693228-89-6 CAPLUS

CN Butanamide, 2-amino-3-hydroxy-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]-, (2R,3R)- (9CI) (CA INDEX NAME)

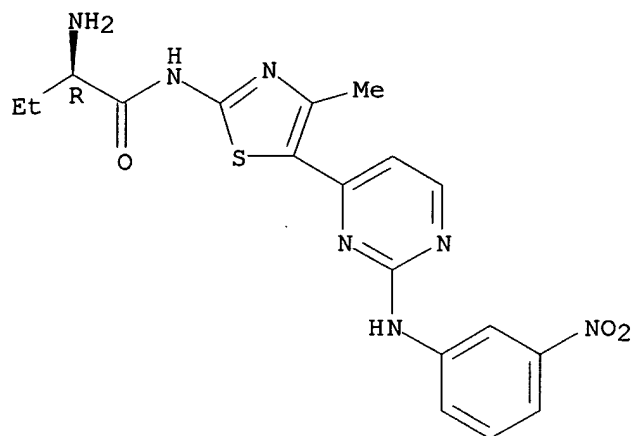
Absolute stereochemistry.



RN 693228-91-0 CAPLUS

CN Butanamide, 2-amino-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]-, (2R)- (9CI) (CA INDEX NAME)

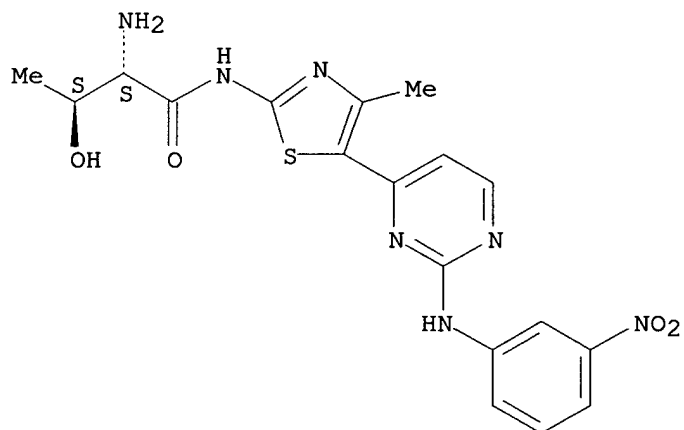
Absolute stereochemistry.



RN 693228-93-2 CAPLUS

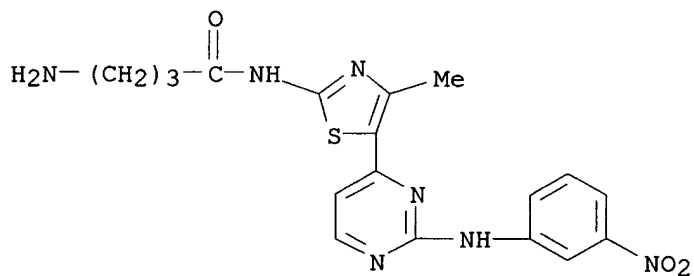
CN Butanamide, 2-amino-3-hydroxy-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]-, (2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



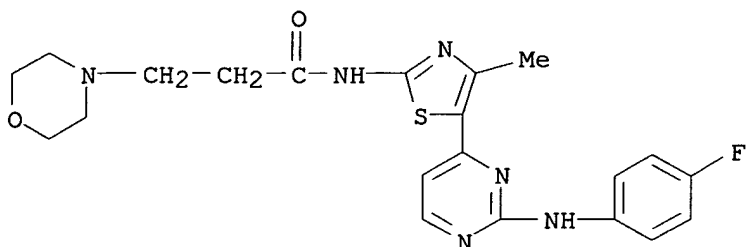
RN 693228-95-4 CAPLUS

CN Butanamide, 4-amino-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



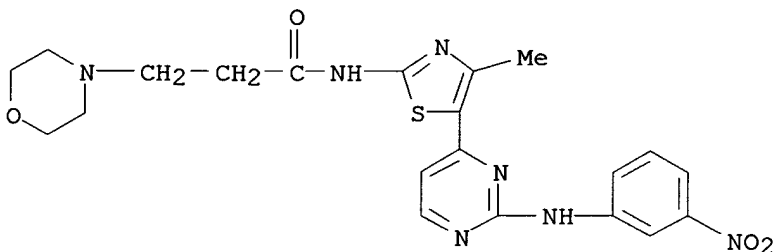
RN 693229-01-5 CAPLUS

CN 4-Morpholinepropanamide, N-[5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



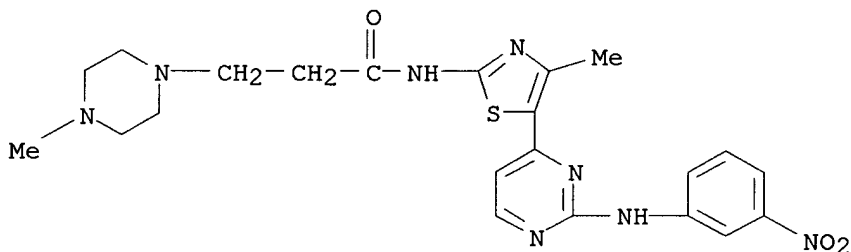
RN 693229-03-7 CAPLUS

CN 4-Morpholinepropanamide, N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



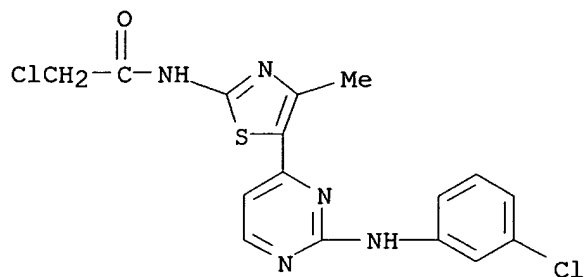
RN 693229-05-9 CAPLUS

CN 1-Piperazinepropanamide, 4-methyl-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



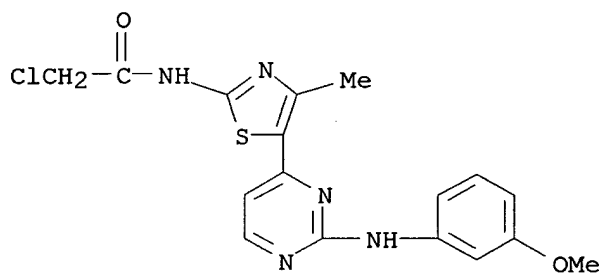
RN 693229-07-1 CAPLUS

CN Acetamide, 2-chloro-N-[5-[2-[(3-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



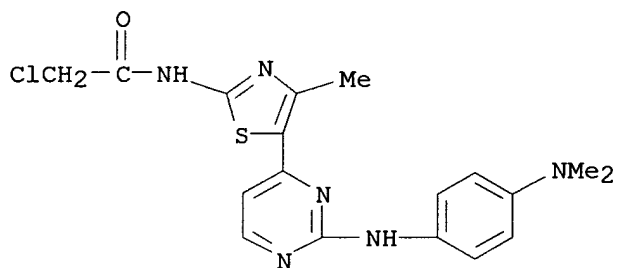
RN 693229-09-3 CAPLUS

CN Acetamide, 2-chloro-N-[5-[2-[(3-methoxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



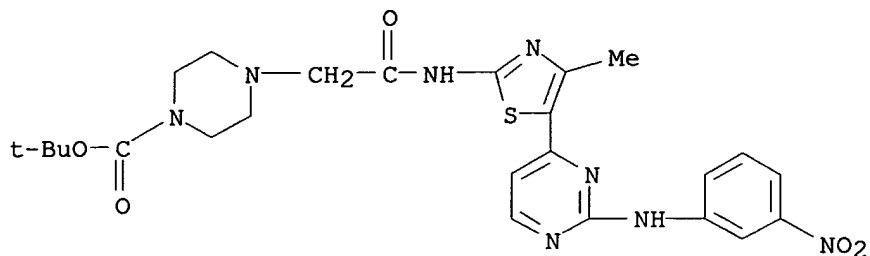
RN 693229-11-7 CAPLUS

CN Acetamide, 2-chloro-N-[5-[2-[[4-(dimethylamino)phenyl]amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



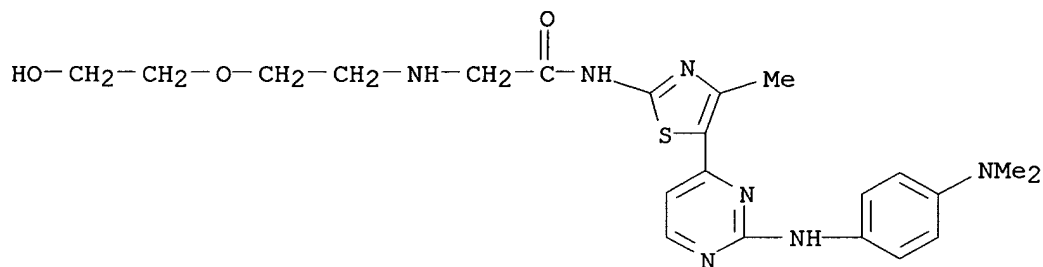
RN 693229-13-9 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[2-[[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]amino]-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 693229-15-1 CAPLUS

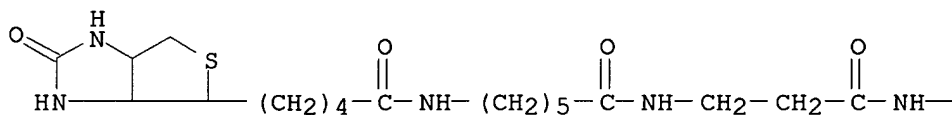
CN Acetamide, N-[5-[2-[[4-(dimethylamino)phenyl]amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]-2-[[2-(2-hydroxyethoxy)ethyl]amino]- (9CI) (CA INDEX NAME)



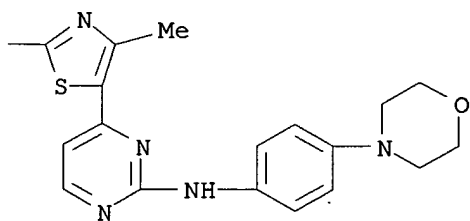
RN 693229-17-3 CAPLUS

CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[6-[[3-[[4-methyl-5-[2-[[4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]-2-thiazolyl]amino]-3-oxopropyl]amino]-6-oxohexyl]-2-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

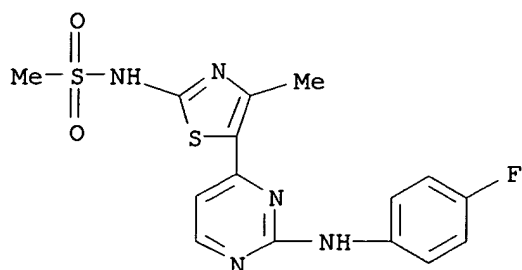


PAGE 1-B



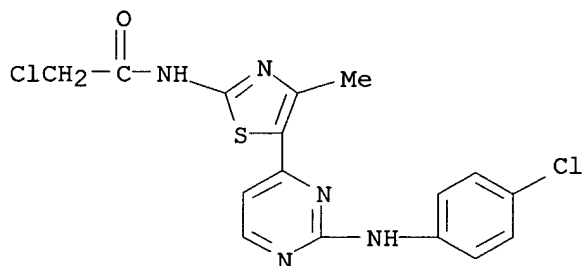
RN 693229-19-5 CAPLUS

CN Methanesulfonamide, N-[5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



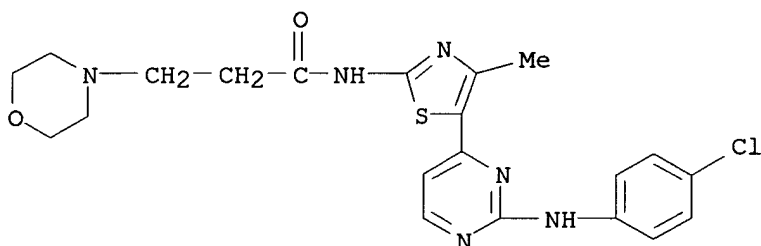
RN 693229-23-1 CAPLUS

CN Acetamide, 2-chloro-N-[5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



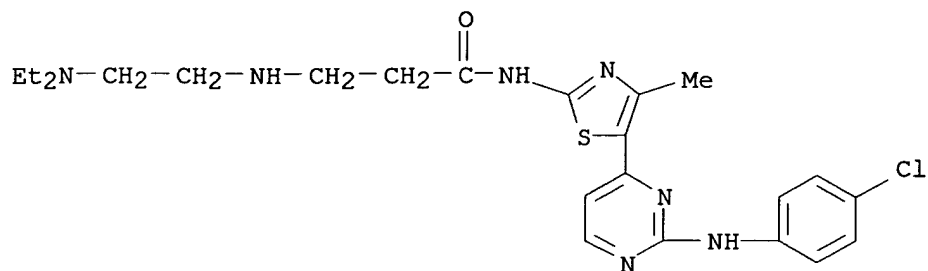
RN 693229-25-3 CAPLUS

CN 4-Morpholinepropanamide, N-[5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



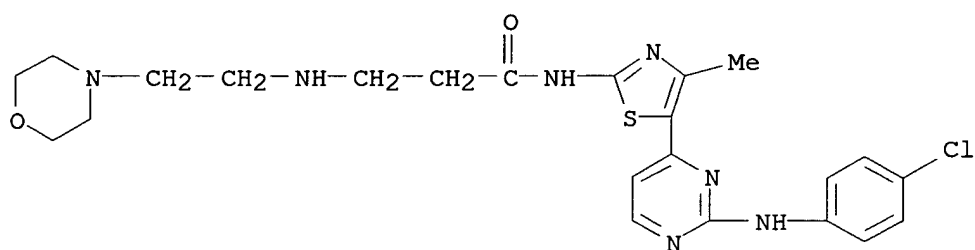
RN 693229-27-5 CAPLUS

CN Propanamide, N-[5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]-3-[[2-(diethylamino)ethyl]amino]- (9CI) (CA INDEX NAME)



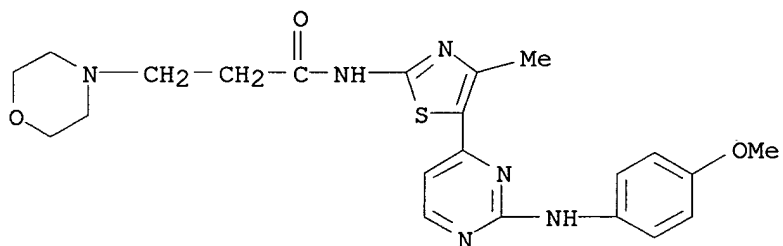
RN 693229-28-6 CAPLUS

CN Propanamide, N-[5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]-3-[[2-(4-morpholinyl)ethyl]amino]- (9CI) (CA INDEX NAME)



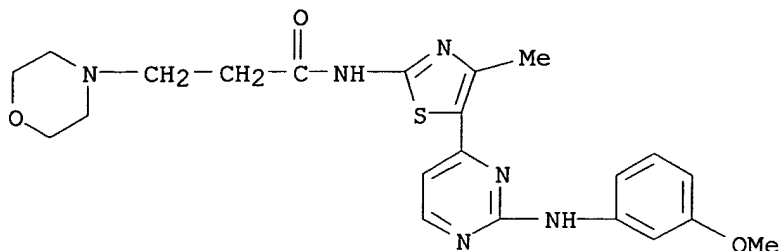
RN 693229-30-0 CAPLUS

CN 4-Morpholinepropanamide, N-[5-[2-[(4-methoxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



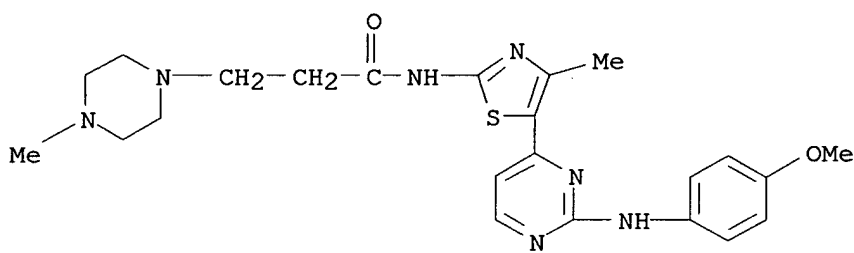
RN 693229-31-1 CAPLUS

CN 4-Morpholinepropanamide, N-[5-[2-[(3-methoxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



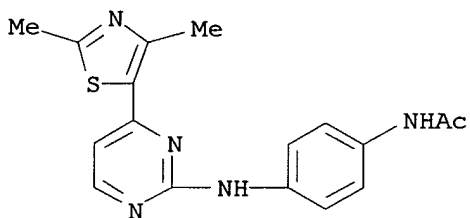
RN 693229-33-3 CAPLUS

CN 1-Piperazinepropanamide, N-[5-[2-[(4-methoxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]-4-methyl- (9CI) (CA INDEX NAME)



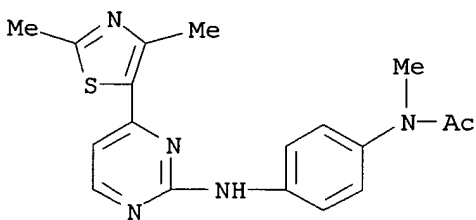
RN 693229-35-5 CAPLUS

CN Acetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)

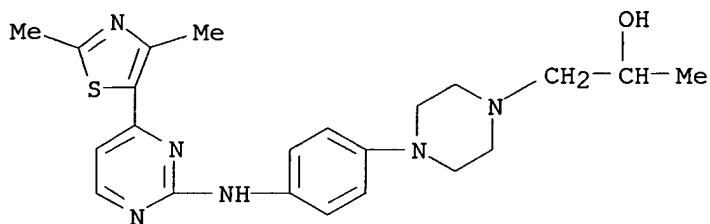


RN 693229-37-7 CAPLUS

CN Acetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-N-methyl- (9CI) (CA INDEX NAME)

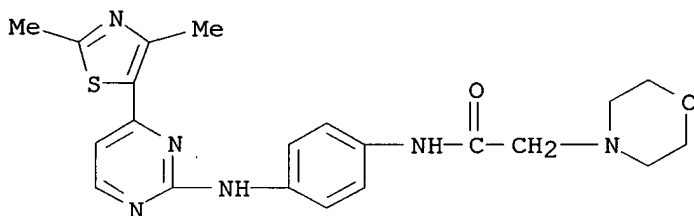


RN 693229-39-9 CAPLUS

CN 1-Piperazineethanol, 4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- α -methyl- (9CI) (CA INDEX NAME)

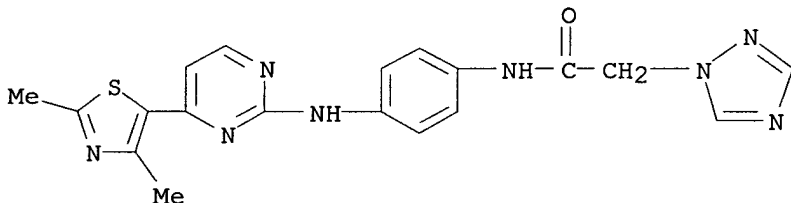
RN 693229-42-4 CAPLUS

CN 4-Morpholineacetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



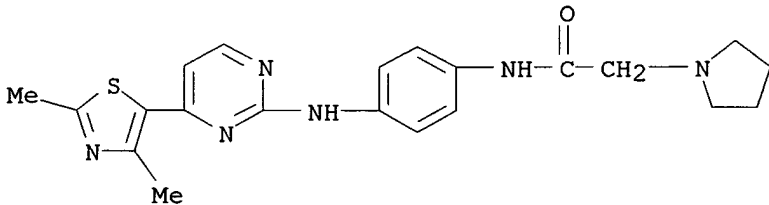
RN 693229-43-5 CAPLUS

CN 1H-1,2,4-Triazole-1-acetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



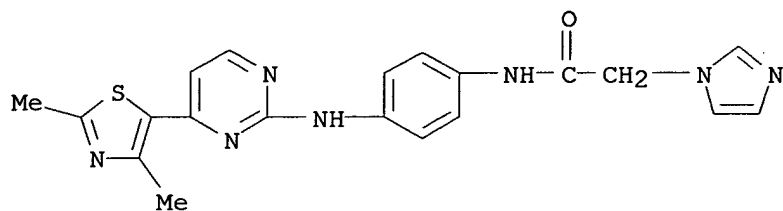
RN 693229-45-7 CAPLUS

CN 1-Pyrrolidineacetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



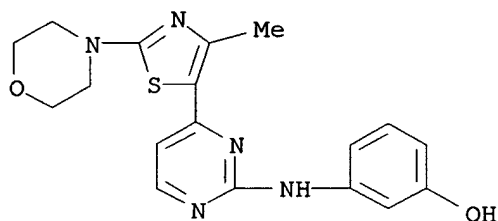
RN 693229-47-9 CAPLUS

CN 1H-Imidazole-1-acetamide, N-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



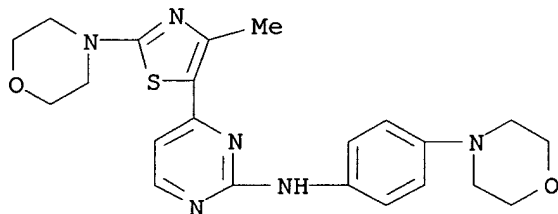
RN 693229-49-1 CAPLUS

CN Phenol, 3-[[4-[4-methyl-2-(4-morpholinyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



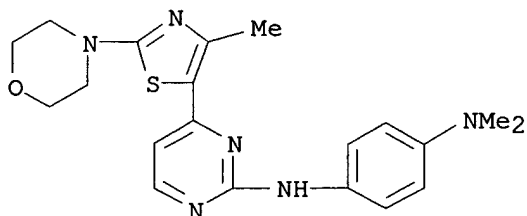
RN 693229-51-5 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(4-morpholinyl)-5-thiazolyl]-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



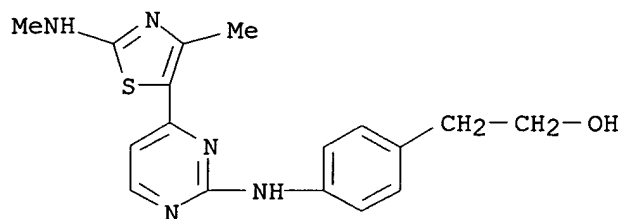
RN 693229-53-7 CAPLUS

CN 1,4-Benzenediamine, N,N-dimethyl-N'-[4-[4-methyl-2-(4-morpholinyl)-5-thiazolyl]-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



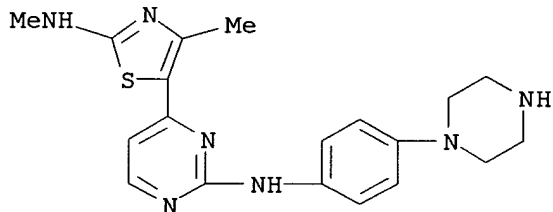
RN 693229-55-9 CAPLUS

CN Benzeneethanol, 4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



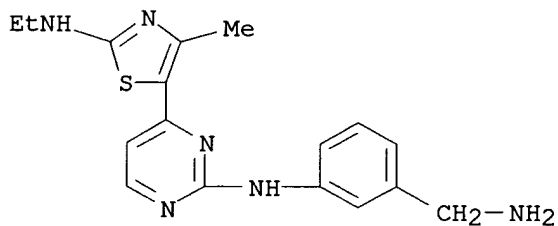
RN 693229-59-3 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



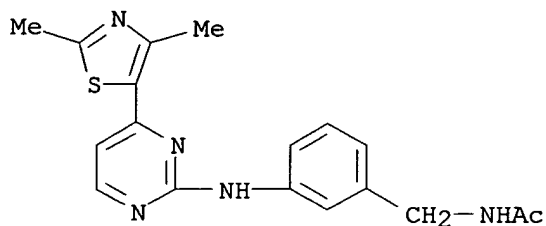
RN 693229-65-1 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



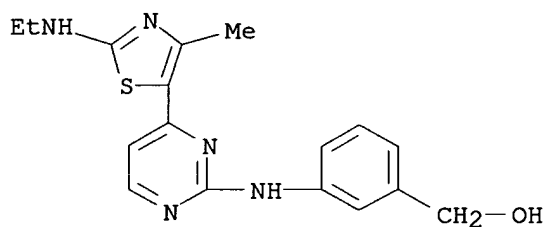
RN 693229-67-3 CAPLUS

CN Acetamide, N-[[[3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



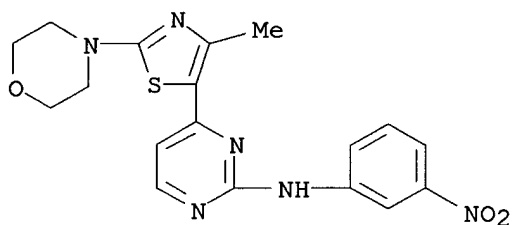
RN 693229-70-8 CAPLUS

CN Benzenemethanol, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



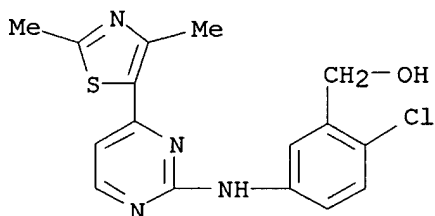
RN 693229-72-0 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(4-morpholinyl)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 693229-74-2 CAPLUS

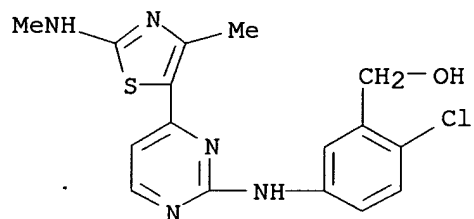
CN Benzenemethanol, 2-chloro-5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 693229-76-4 CAPLUS

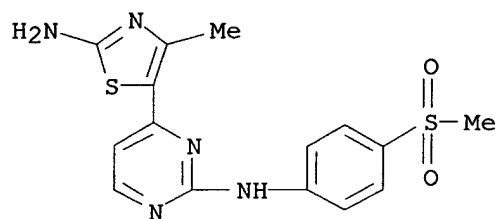
CN Benzenemethanol, 2-chloro-5-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



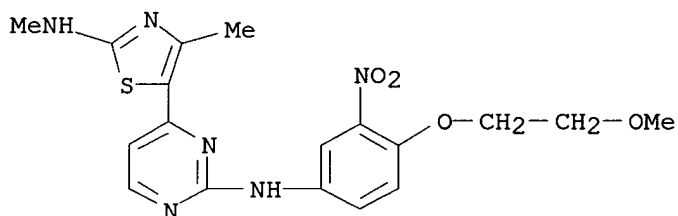
RN 693229-78-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



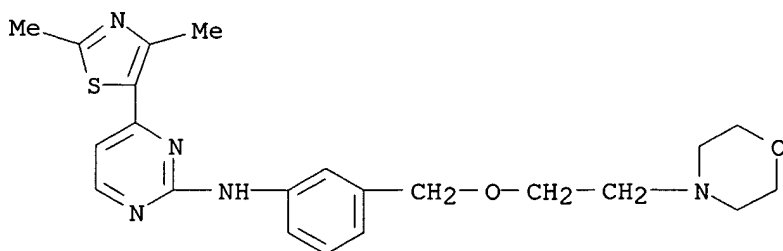
RN 693229-80-0 CAPLUS

CN 2-Pyrimidinamine, N-[4-(2-methoxyethoxy)-3-nitrophenyl]-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



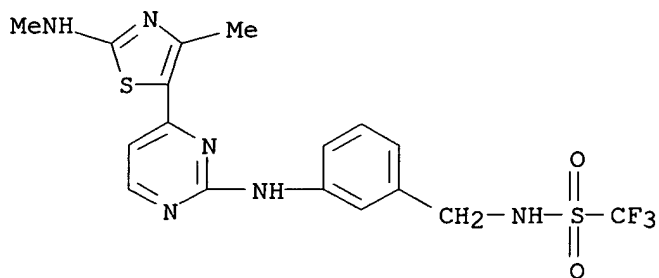
RN 693229-82-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-[[2-(4-morpholinyl)ethoxy]methyl]phenyl]- (9CI) (CA INDEX NAME)



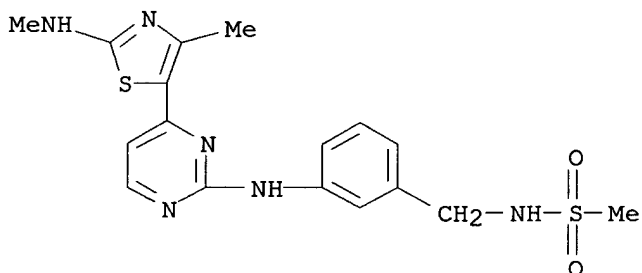
RN 693229-84-4 CAPLUS

CN Methanesulfonamide, 1,1,1-trifluoro-N-[[3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



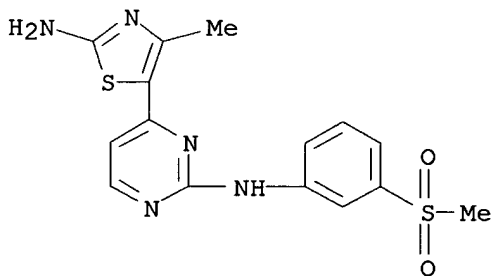
RN 693229-86-6 CAPLUS

CN Methanesulfonamide, N-[[3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



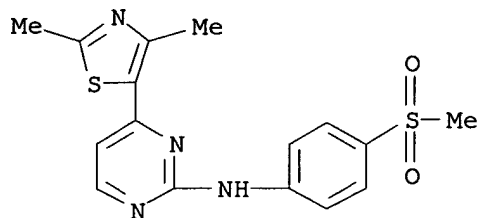
RN 693229-88-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[3-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



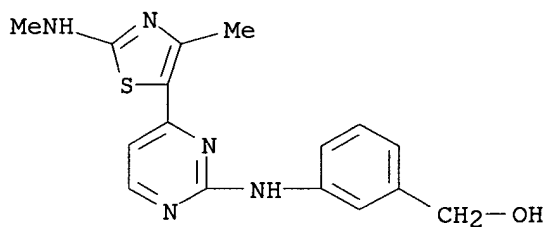
RN 693229-90-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



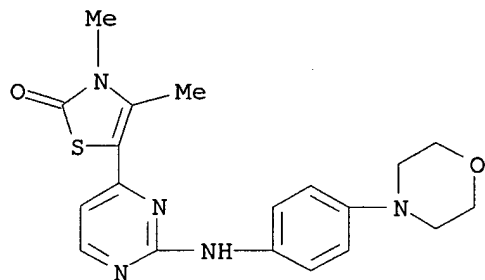
RN 693229-92-4 CAPLUS

CN Benzenemethanol, 3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



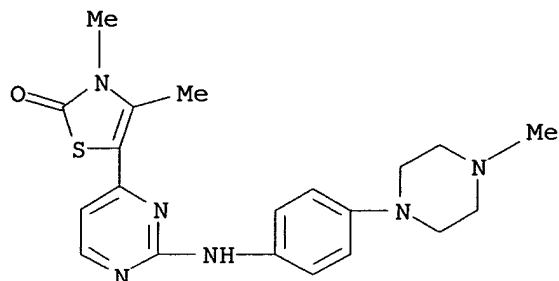
RN 693229-94-6 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 693229-96-8 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[[4-(4-methyl-1-piperazinyl)phenyl]amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)

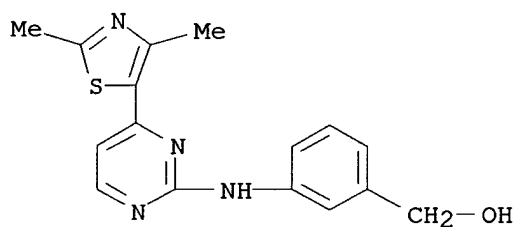


IT 364334-85-0 507487-89-0 507487-92-5
 507488-00-8 693230-34-1 693230-36-3
 693230-39-6 693230-42-1 693230-44-3
 693230-49-8 693230-80-7

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of pyrimidine derivs. as CDKs inhibitors)

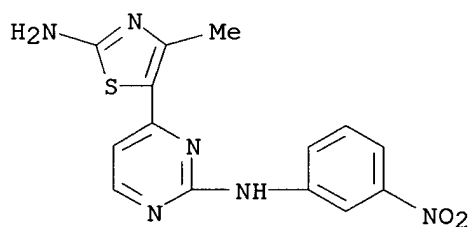
RN 364334-85-0 CAPLUS

CN Benzenemethanol, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-
 (9CI) (CA INDEX NAME)



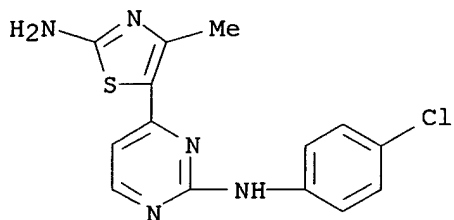
RN 507487-89-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)-
 (9CI) (CA INDEX NAME)



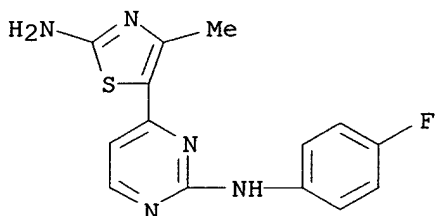
RN 507487-92-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-chlorophenyl)-
 (9CI) (CA INDEX NAME)



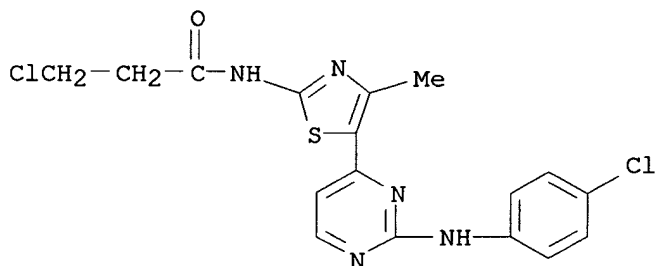
RN 507488-00-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-fluorophenyl)-
(9CI) (CA INDEX NAME)



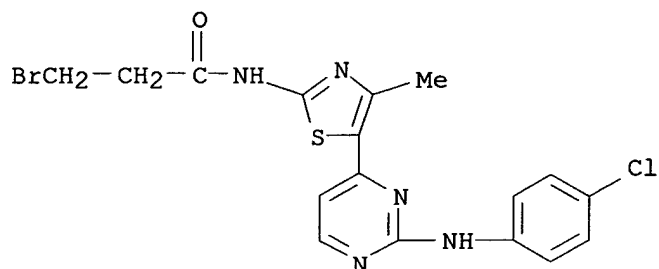
RN 693230-34-1 CAPLUS

CN Propanamide, 3-chloro-N-[5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



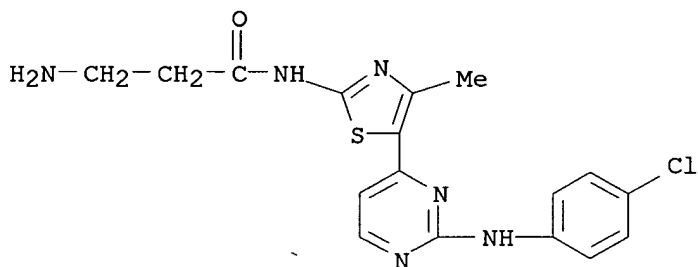
RN 693230-36-3 CAPLUS

CN Propanamide, 3-bromo-N-[5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



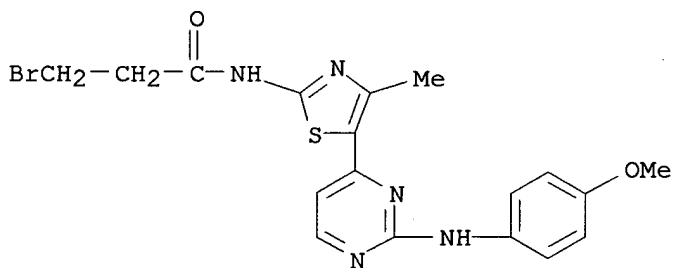
RN 693230-39-6 CAPLUS

CN Propanamide, 3-amino-N-[5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



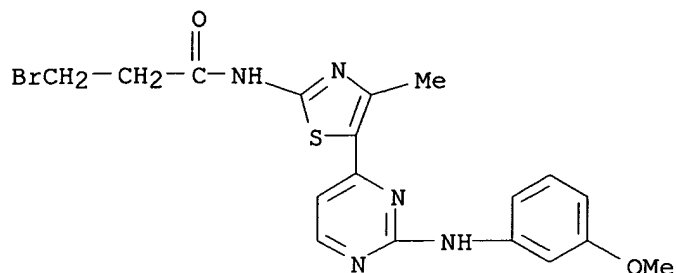
RN 693230-42-1 CAPLUS

CN Propanamide, 3-bromo-N-[5-[2-[(4-methoxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



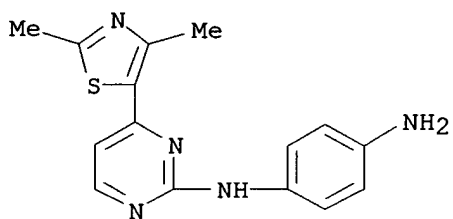
RN 693230-44-3 CAPLUS

CN Propanamide, 3-bromo-N-[5-[2-[(3-methoxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



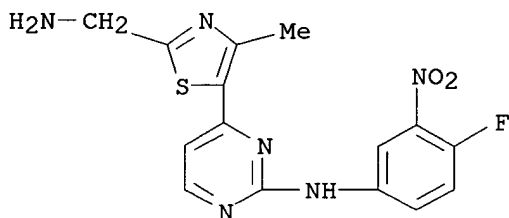
RN 693230-49-8 CAPLUS

CN 1,4-Benzenediamine, N-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]- (9CI)
(CA INDEX NAME)



RN 693230-80-7 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(aminomethyl)-4-methyl-5-thiazolyl]-N-(4-fluoro-3-nitrophenyl)- (9CI) (CA INDEX NAME)

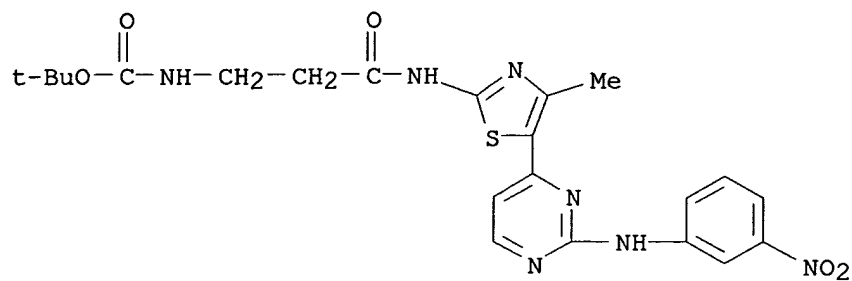


IT 693230-19-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of pyrimidine derivs. as CDKs inhibitors)

RN 693230-19-2 CAPLUS

CN Carbamic acid, [3-[[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:430750 CAPLUS
 DN 141:7129
 TI Preparation of 4-heteroarylpyrimidines as specific cyclin-dependent kinase inhibitors for treating viruses
 IN Wang, Shudong; Meades, Christopher; Wood, Gavin; Blake, David; Fischer, Peter
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 142 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

Common Inu

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004043467 | A1 | 20040527 | WO 2003-GB4977 | 20031114 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003283585 | A1 | 20040603 | AU 2003-283585 | 20031114 |
| | EP 1581231 | A1 | 20051005 | EP 2003-775562 | 20031114 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | US 2005288307 | A1 | 20051229 | US 2005-129198 | 20050513 |
| PRAI | GB 2002-26582 | A | 20021114 | | |
| | WO 2003-GB4977 | W | 20031114 | | |

X No ODP

OS MARPAT 141:7129
 AB Title compds. I [wherein one of X1 and X2 = S, and the other of X1 and X2 = N so as to form a thiazolyl ring, R2 = independently as defined below for R1 and R3; one of X1 and X2 = S, and the other of X1 and X2 = NH and derivs. so as to form a 4,5-dihydrothiazolyl ring; R2 = oxo; the bond between C and R2 = double; Z = NH, NHCO, NHSO2, NHCH2, CH2, CH2CH2, CH:CH; R1, R3 = independently H, halo, NO2, CN, OH and derivs., NH2 and derivs., CO2H and derivs., CONH2 and derivs., SO3H, (un)substituted ar/alkyl, aryl, heterocyclyl, etc.; R4, R5, R6, R7, R8 = independently H, halo, NO2, CN, OH and derivs., NH2 and derivs., alkylheteroaryl, SO3H, SO2NH2, CF3, (un)substituted lower alkyl; and their pharmaceutically acceptable salts] were prepared for use in the treatment of viral disorders. For example, II was prepared by cyclocondensation of 3-Dimethylamino-1-(2,4-dimethylthiazol-5-yl)propanone (preparation given) with N-(3-Nitrophenyl)guanidine nitrate (preparation given) in 2-methoxyethanol in the presence of NaOH. Selected I showed high degree of selectivity for inhibition of CDKs. II displayed an average IC50 of 0.23 μ M against CDK2-Cyclin E1 kinase. Thus, I are useful for treating cytomegalovirus, herpes simplex, HIV-I, and varicella-zoster virus.

IT **364333-82-4P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **364334-85-0P**, [3-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenyl]methanol **364334-88-3P**, N,N-Dimethyl-N'-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]benzene-1,4-diamine **507487-89-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **507488-00-8P**, [4-(2-Amino-4-

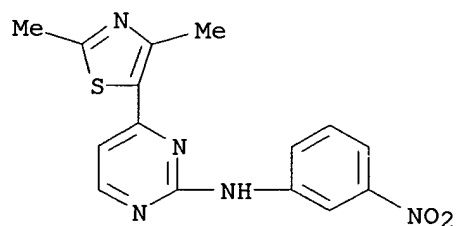
methylthiazol-5-yl)pyrimidin-2-yl](4-fluorophenyl)amine

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(anti-viral agent; preparation of 4-heteroarylpyrimidines as specific cyclin-dependent kinase inhibitors for treating viruses)

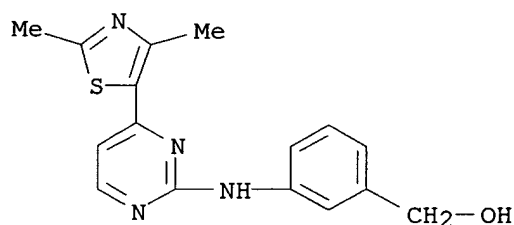
RN 364333-82-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI)
(CA INDEX NAME)



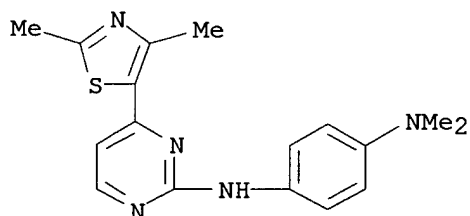
RN 364334-85-0 CAPLUS

CN Benzenemethanol, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



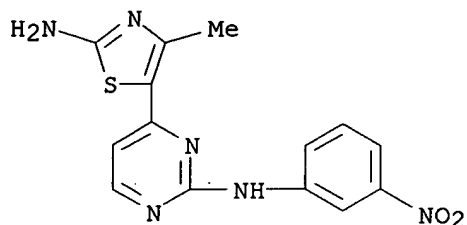
RN 364334-88-3 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



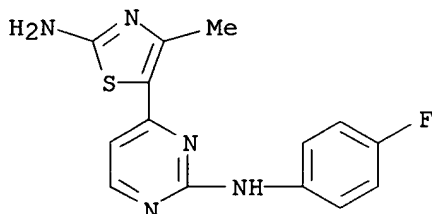
RN 507487-89-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 507488-00-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-fluorophenyl)-
(9CI) (CA INDEX NAME)



IT **364333-75-5P**, (2-Chlorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-76-6P**, (4-Chlorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-77-7P**, (3-Chlorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-81-3P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (2-nitrophenyl)amine **364333-83-5P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (4-nitrophenyl)amine **364333-88-0P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (2-fluorophenyl)amine **364333-89-1P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (4-fluorophenyl)amine **364333-90-4P**, (2,4-Difluorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-91-5P**, (3,5-Difluorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-92-6P**, (3,5-Dichlorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-93-7P**, (2,4-Dichlorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-94-8P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (3-trifluoromethylphenyl)amine **364333-95-9P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (2-trifluoromethylphenyl)amine **364333-96-0P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (4-trifluoromethylphenyl)amine **364333-97-1P**, (2-Bromophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-98-2P**, (3-Bromophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-99-3P**, (4-Bromophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364334-00-9P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (2-iodophenyl)amine **364334-01-0P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (3-iodophenyl)amine **364334-02-1P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (4-iodophenyl)amine **364334-04-3P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (3-fluorophenyl)amine **364334-05-4P**, (3,4-Difluorophenyl) [4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364334-06-5P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (2-methoxyphenyl)amine **364334-07-6P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl] (3-

methoxyphenyl)amine **364334-08-7P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](4-methoxyphenyl)amine **364334-09-8P**, 3-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-10-1P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-14-5P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]-2-nitrophenol **364334-16-7P**, N-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]benzene-1,3-diamine **364334-17-8P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzonitrile **364334-18-9P**, 3-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzonitrile **364334-19-0P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid methyl ester **364334-20-3P**, (3-Chloro-4-methylphenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364334-21-4P**, (3-Chloro-4-methoxyphenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364334-22-5P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid **364334-23-6P**, [4-Bromo-6-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **364334-24-7P**, [4-(2,4-Dimethylthiazol-5-yl)-6-phenylpyrimidin-2-yl](3-nitrophenyl)amine **364334-25-8P**, 4-[4-(2,4-Dimethylthiazol-5-yl)-6-phenylpyrimidin-2-ylamino]phenol **364334-26-9P**, (3,4-Difluorophenyl)[4-(4-methyl-2-phenylthiazol-5-yl)pyrimidin-2-yl]amine **364334-27-0P**, 4-[4-(4-Methyl-2-phenylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-28-1P**, [4-(2,4-Dimethylthiazol-5-yl)-6-phenylpyrimidin-2-yl](4-fluorophenyl)amine **364334-29-2P**, (4-Fluorophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-30-5P**, 4-[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-31-6P**, [4-(2,4-Dimethylthiazol-5-yl)-6-(4-trifluoromethylphenyl)pyrimidin-2-yl](4-fluorophenyl)amine **364334-32-7P**, (4-Chlorophenyl)[4-(2,4-dimethylthiazol-5-yl)-6-(4-trifluoromethylphenyl)pyrimidin-2-yl]amine **364334-33-8P**, 4-[4-(2,4-Dimethylthiazol-5-yl)-6-(4-trifluoromethylphenyl)pyrimidin-2-ylamino]-2-nitrophenol **364334-34-9P**, (4-Fluorophenyl)[4-[4-methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl]amine **364334-35-0P**, [4-(2,4-Dimethylthiazol-5-yl)-6-(3-trifluoromethylphenyl)pyrimidin-2-yl](4-fluorophenyl)amine **364334-36-1P**, 4-[6-(2,4-Dimethylthiazol-5-yl)-2-(4-fluorophenylamino)pyrimidin-4-yl]-2,6-dimethoxyphenol **364334-37-2P**, 4-[6-(2,4-Dimethylthiazol-5-yl)-2-(4-fluorophenylamino)pyrimidin-4-yl]phenol **364334-38-3P**, [4-[4-Methyl-2-(pyridin-3-yl)thiazol-5-yl]pyrimidin-2-yl](3-nitrophenyl)amine **364334-39-4P**, (4-Iodophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-41-8P**, 4-[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-ylamino]-2-nitrophenol **364334-42-9P**, 2-Chloro-4-[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-ylamino]benzoic acid ethyl ester **364334-43-0P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-fluorophenyl)amine **364334-44-1P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **364334-45-2P**, 3-[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-46-3P**, 2-Chloro-4-[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid ethyl ester **364334-47-4P**, 4-Chloro-3-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid 2-methoxyethyl ester **364334-48-5P**, 2-Chloro-4-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid 2-methoxyethyl ester **364334-49-6P**, 4-Chloro-3-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid **364334-51-0P**, [4-(2-Allylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-fluorophenyl)amine **364334-52-1P**, (3-Bromophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-53-2P**,

[4-(2-Allylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine
364334-54-3P, 3-[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-55-4P**, (4-Bromophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-56-5P**, (4-Chlorophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-57-6P**, (3-Methoxyphenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-58-7P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl](4-trifluoromethylphenyl)amine **364334-59-8P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl](3-trifluoromethylphenyl)amine **364334-60-1P**, 2-Chloro-5-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid ethyl ester **364334-61-2P**, 3-Chloro-2-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid ethyl ester **364334-62-3P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](2-fluoro-4-iodophenyl)amine **364334-63-4P**, 2-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]-5-methoxyphenol **364334-64-5P**, (3-Chloro-4-iodophenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364334-66-7P**, 2-Chloro-4-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-67-8P**, 5-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]-2-fluorobenzoic acid 2-methoxyethyl ester **364334-68-9P**, 2-Chloro-5-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid methyl ester **364334-69-0P**, 4-Chloro-3-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid methyl ester **364334-70-3P**, 2-Chloro-4-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzoic acid methyl ester **364334-71-4P**, (3-Iodophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-72-5P**, (3-Fluorophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-73-6P**, (3,4-Difluorophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-74-7P**, (2,4-Difluorophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-75-8P**, (3,5-Difluorophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-76-9P**, (4-Chloro-3-trifluoromethylphenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-77-0P**, (3-Chlorophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-78-1P**, (4-Methoxyphenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-79-2P**, (4-Fluoro-3-nitrophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **364334-80-5P**, 4-[4-[2-(4-Nitrophenylamino)thiazol-5-yl]pyrimidin-2-yl]amino]phenol **364334-81-6P**, N-[5-[2-(4-Hydroxyphenylamino)pyrimidin-4-yl]-4-methylthiazol-2-yl]acetamide **364334-82-7P**, (4-Fluorophenyl)[4-[2-(4-nitrophenylamino)thiazol-5-yl]pyrimidin-2-yl]amine **364334-83-8P**, 4-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-84-9P**, N-[3-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenyl]guanidine **364334-86-1P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl][4-[(pyridin-4-yl)methyl]phenyl]amine **364334-87-2P**, [3-(2-Diethylaminoethoxymethyl)phenyl][4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **507487-91-4P**, N-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]-N',N'-dimethylbenzene-1,4-diamine **507487-92-5P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-chlorophenyl)amine **507487-93-6P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-methoxyphenyl)amine **507487-94-7P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-fluorophenyl)amine **507487-95-8P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-trifluoromethylphenyl)amine **507487-96-9P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methoxyphenyl)amine **507487-97-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-

chlorophenyl)amine **507487-98-1P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-iodophenyl)amine **507487-99-2P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-iodophenyl)amine **507488-01-9P**, 3-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]phenol **507488-02-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-iodo-3-nitrophenyl)amine **507488-03-1P**, 2-[4-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]phenyl]ethanol **507488-04-2P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-bromophenyl)amine **507488-05-3P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-bromophenyl)amine **507488-06-4P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-chloro-3-trifluoromethylphenyl)amine **507488-08-6P**, [4-(2-Diethylaminoethoxy)phenyl][4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **507488-09-7P**, 2-[4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenyl]ethanol **507488-10-0P**, 2-[[4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenyl]ethylamino]ethanol **507488-11-1P**, 1-(3,4-Dimethoxyphenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **507488-12-2P**, 5-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]-2-methoxyphenol **507488-13-3P**, N'-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-N,N-dimethyl-2-nitrobenzene-1,4-diamine **507488-14-4P**, 2-Chloro-N'-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]-N,N-dimethylbenzene-1,4-diamine **507488-15-5P**, N'-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-N,N-dimethyl-2-trifluoromethylbenzene-1,4-diamine **507488-16-6P**, N-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-4-methoxy-N',N'-dimethylbenzene-1,3-diamine **507488-17-7P**, N,N-Dimethyl-N'-[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]benzene-1,4-diamine **507488-18-8P**, (4-Iodo-3-nitrophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **507488-29-1P**, (3-Iodo-4-methylphenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-30-4P**, (4-Fluoro-3-methylphenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-33-7P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **507488-35-9P**, (4-Chlorophenyl)[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-36-0P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-trifluoromethylphenyl)amine **507488-37-1P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-methoxyphenyl)amine **507488-38-2P**, (3-Chlorophenyl)[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-39-3P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methyl-3-nitrophenyl)amine **507488-40-6P**, [4-(2-Butylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-fluorophenyl)amine **507488-42-8P**, [4-(2-Dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **507488-44-0P**, (4-Chlorophenyl)[4-(2-dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-45-1P**, [4-(2-Dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-fluorophenyl)amine **507488-46-2P**, (3-Chlorophenyl)[4-(2-dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-48-4P**, 2-[[4-Methyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]thiazol-2-yl]amino]ethanol **507488-49-5P**, 2-[[5-[2-(4-Fluorophenylamino)pyrimidin-4-yl]-4-methylthiazol-2-yl]amino]ethanol **507488-52-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-nitrophenyl)amine **507488-53-1P**, N-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]phenylamine **507488-55-3P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzenesulfonic acid **674333-60-9P**, N-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]phenylamine **693290-45-8P**, [4-[4-(2,4-Dimethylthiazol-5-

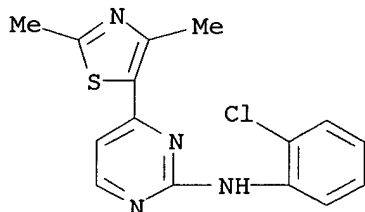
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693290-46-9P, 4-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]benzenesulfonic acid **693290-47-0P**, N-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]benzene-1,3-diamine **693290-48-1P**, 5-[2-(4-Hydroxyphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-49-2P**, 3,4-Dimethyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **693290-50-5P**, 5-[2-(4-Iodophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-51-6P**, 5-[2-(4-Fluorophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-52-7P**, 5-[2-(4-Chlorophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-53-8P**, 5-[2-(4-Methoxyphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-54-9P**, 5-[2-(3-Hydroxyphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-55-0P**, 5-[2-(4-Fluoro-3-nitrophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-56-1P**, 5-[2-(4-Chloro-3-methylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-57-2P**, 5-[2-(3-Iodo-4-methylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-58-3P**, 5-[2-(4-Fluoro-3-methylphenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one **693290-59-4P**, 3,4-Dimethyl-5-[2-(4-methyl-3-nitrophenylamino)pyrimidin-4-yl]-3H-thiazol-2-one **693290-60-7P**, 5-[2-(4-Dimethylaminophenylamino)pyrimidin-4-yl]-3,4-dimethyl-3H-thiazol-2-one

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(anti-viral agent; preparation of 4-heteroarylpyrimidines as specific cyclin-dependent kinase inhibitors for treating viruses)

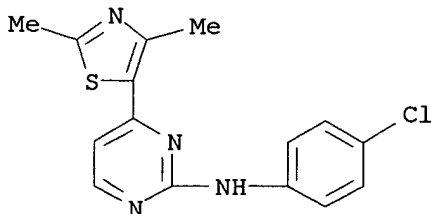
RN 364333-75-5 CAPLUS

CN 2-Pyrimidinamine, N-(2-chlorophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI)
 (CA INDEX NAME)

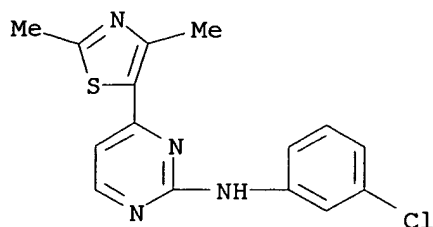


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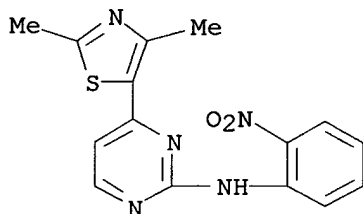
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 (CA INDEX NAME)



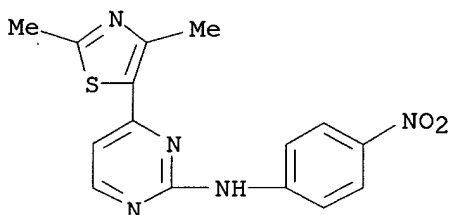
RN 364333-77-7 CAPLUS

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(CA INDEX NAME)

RN 364333-81-3 CAPLUS

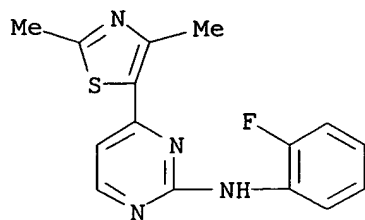
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(CA INDEX NAME)

RN 364333-83-5 CAPLUS

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(CA INDEX NAME)

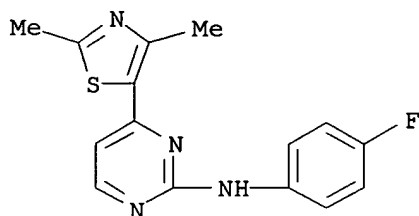
RN 364333-88-0 CAPLUS

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(CA INDEX NAME)



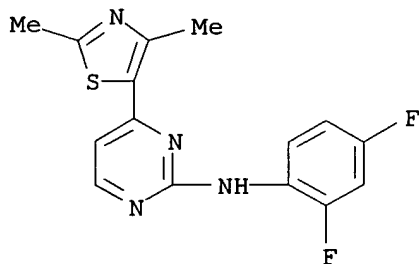
RN 364333-89-1 CAPLUS

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(CA INDEX NAME)



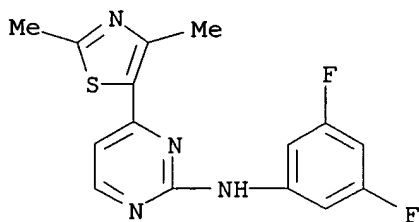
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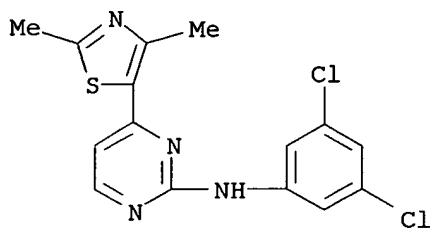
RN 364333-91-5 CAPLUS

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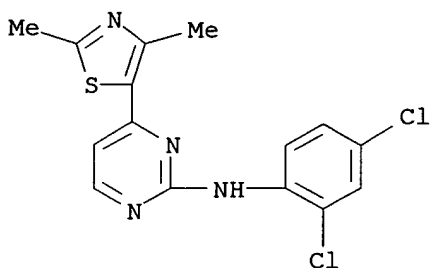
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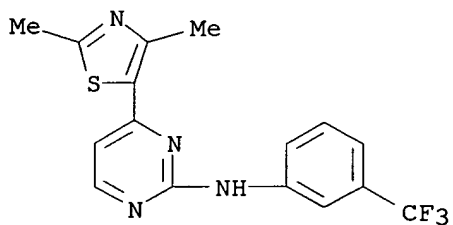
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CN 2-Pyrimidinamine, N-(2,4-dichlorophenyl)-4-(2,4-dimethyl-5-thiazolyl)-(9CI) (CA INDEX NAME)



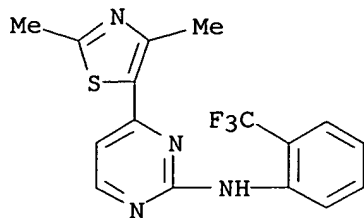
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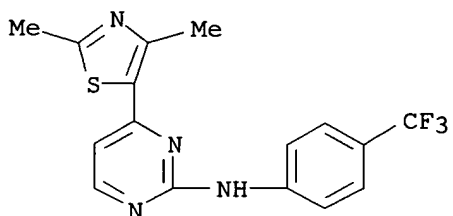
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CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



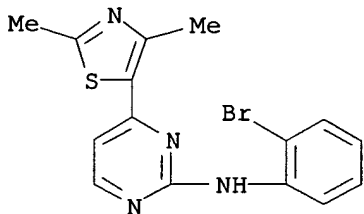
RN 364333-96-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



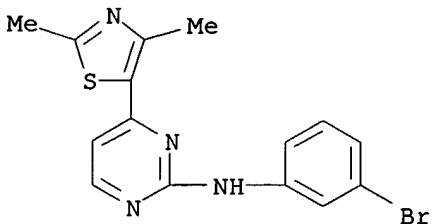
RN 364333-97-1 CAPLUS

CN 2-Pyrimidinamine, N-(2-bromophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



RN 364333-98-2 CAPLUS

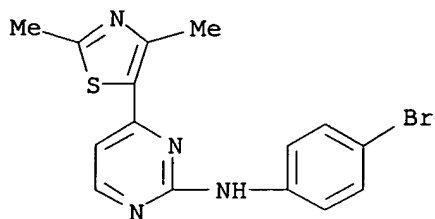
CN 2-Pyrimidinamine, N-(3-bromophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



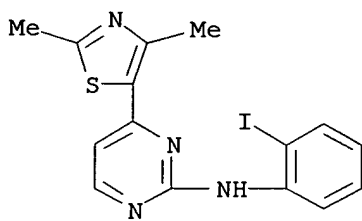
RN 364333-99-3 CAPLUS

CN 2-Pyrimidinamine, N-(4-bromophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI)

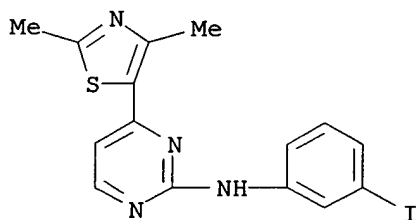
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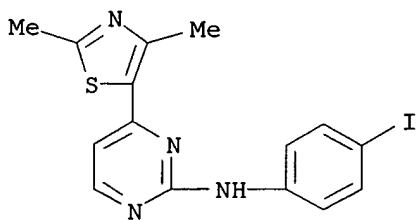
RN 364334-00-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(2-iodophenyl)- (9CI)
(CA INDEX NAME)

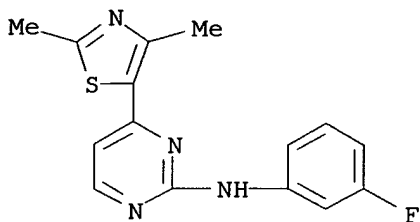
RN 364334-01-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-iodophenyl)- (9CI)
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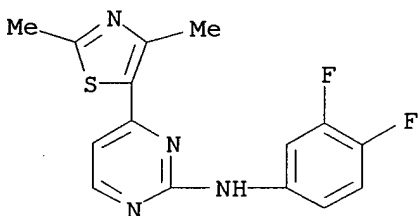
RN 364334-02-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-iodophenyl)- (9CI)
(CA INDEX NAME)

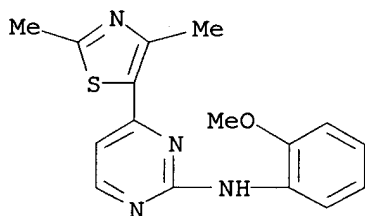
RN 364334-04-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-fluorophenyl)- (9CI)
(CA INDEX NAME)

RN 364334-05-4 CAPLUS

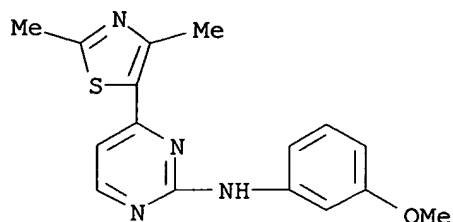
CN 2-Pyrimidinamine, N-(3,4-difluorophenyl)-4-(2,4-dimethyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)

RN 364334-06-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(2-methoxyphenyl)- (9CI)
(CA INDEX NAME)

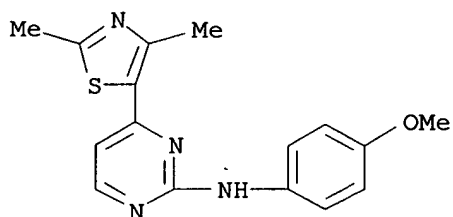
RN 364334-07-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-methoxyphenyl)- (9CI)
(CA INDEX NAME)



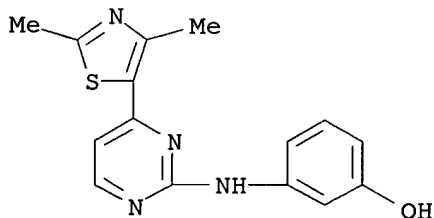
RN 364334-08-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-methoxyphenyl)- (9CI)
(CA INDEX NAME)



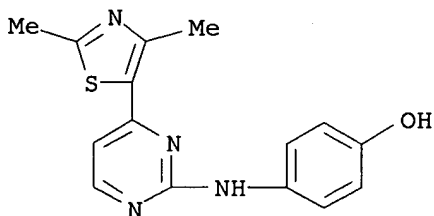
RN 364334-09-8 CAPLUS

CN Phenol, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA
INDEX NAME)



RN 364334-10-1 CAPLUS

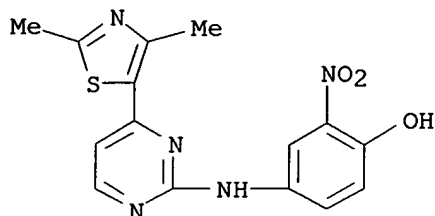
CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA
INDEX NAME)



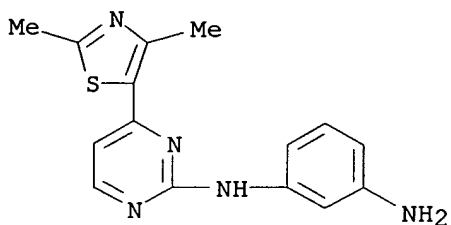
RN 364334-14-5 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-nitro-

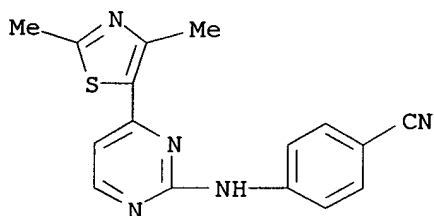
(9CI) (CA INDEX NAME)



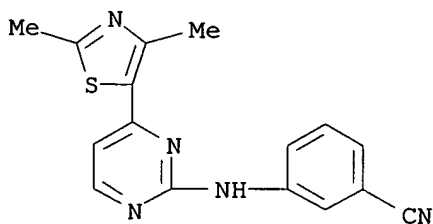
RN 364334-16-7 CAPLUS

CN 1,3-Benzenediamine, N-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]- (9CI)
(CA INDEX NAME)

RN 364334-17-8 CAPLUS

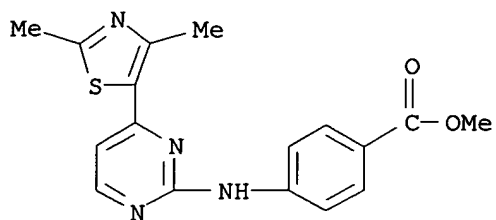
CN Benzonitrile, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)

RN 364334-18-9 CAPLUS

CN Benzonitrile, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)

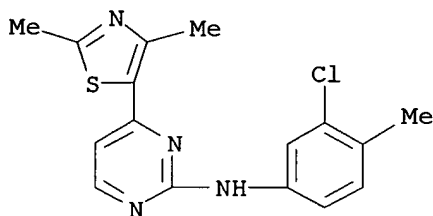
RN 364334-19-0 CAPLUS

CN Benzoic acid, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



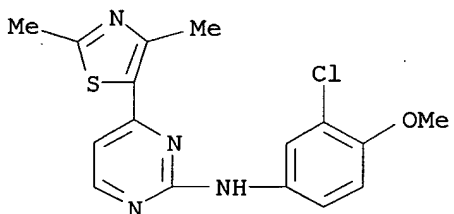
RN 364334-20-3 CAPLUS

CN 2-Pyrimidinamine, N-(3-chloro-4-methylphenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



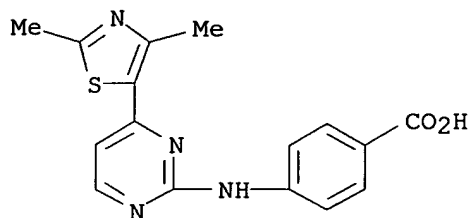
RN 364334-21-4 CAPLUS

CN 2-Pyrimidinamine, N-(3-chloro-4-methoxyphenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



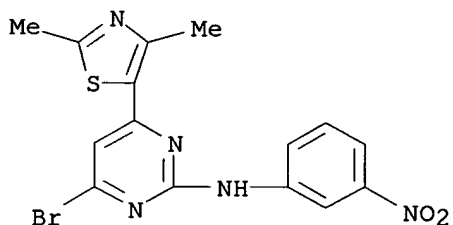
RN 364334-22-5 CAPLUS

CN Benzoic acid, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



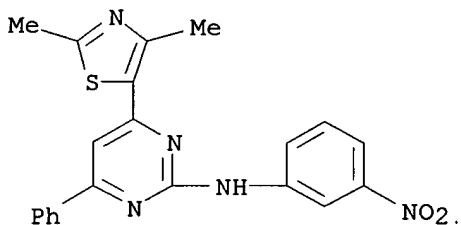
RN 364334-23-6 CAPLUS

CN 2-Pyrimidinamine, 4-bromo-6-(2,4-dimethyl-5-thiazolyl)-N-(3-nitrophenyl)-
(9CI) (CA INDEX NAME)



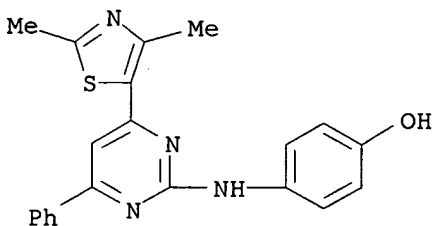
RN 364334-24-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-nitrophenyl)-6-phenyl-
(9CI) (CA INDEX NAME)



RN 364334-25-8 CAPLUS

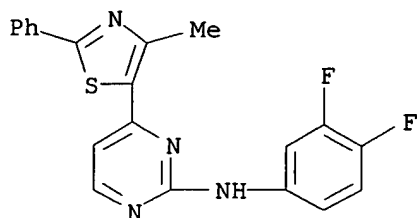
CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-6-phenyl-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)



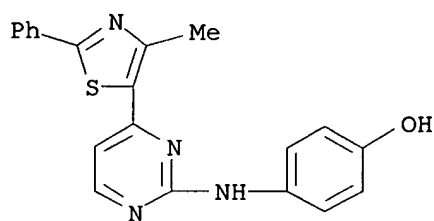
RN 364334-26-9 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-difluorophenyl)-4-(4-methyl-2-phenyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)

(9CI) (CA INDEX NAME)

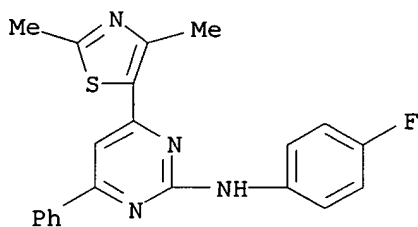


RN 364334-27-0 CAPLUS

CN Phenol, 4-[[4-(4-methyl-2-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)

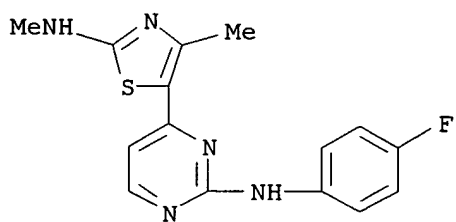
RN 364334-28-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)-6-phenyl- (9CI) (CA INDEX NAME)

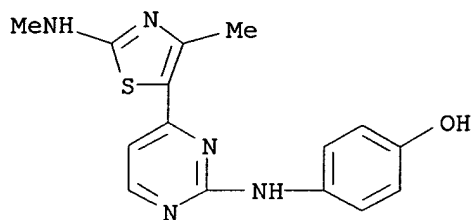


RN 364334-29-2 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)

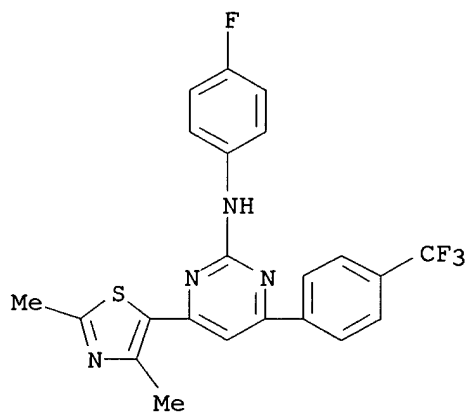


RN 364334-30-5 CAPLUS

CN Phenol, 4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)

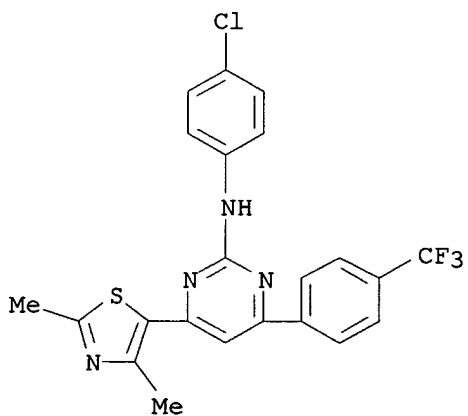
RN 364334-31-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



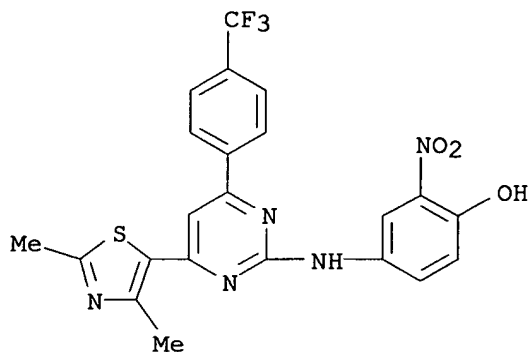
RN 364334-32-7 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(2,4-dimethyl-5-thiazolyl)-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



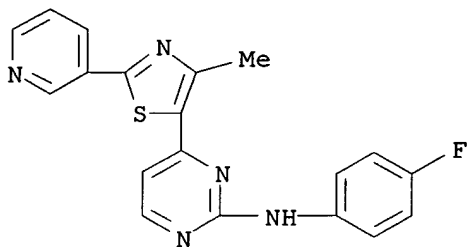
RN 364334-33-8 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-6-[4-(trifluoromethyl)phenyl]-2-pyrimidinyl]amino]-2-nitro- (9CI) (CA INDEX NAME)



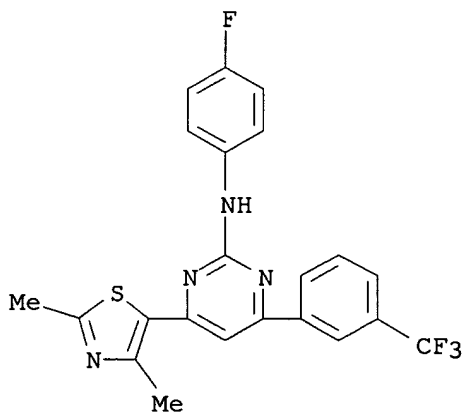
RN 364334-34-9 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



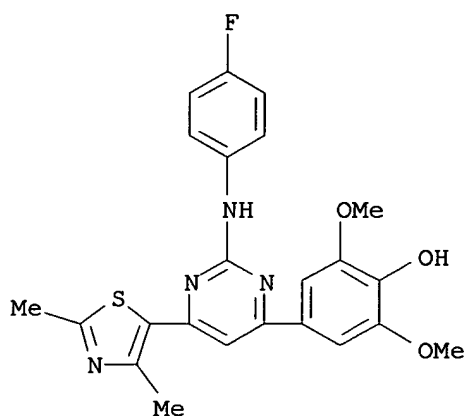
RN 364334-35-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



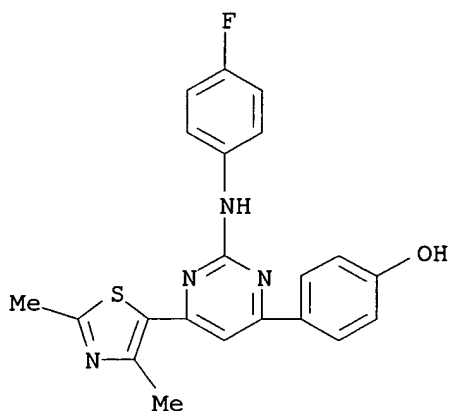
RN 364334-36-1 CAPLUS

CN Phenol, 4-[6-(2,4-dimethyl-5-thiazolyl)-2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



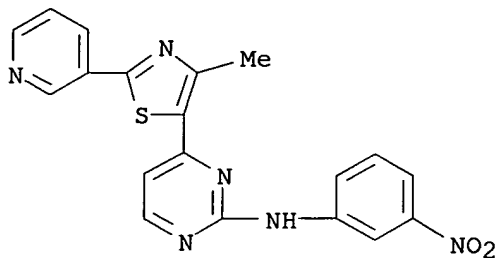
RN 364334-37-2 CAPLUS

CN Phenol, 4-[6-(2,4-dimethyl-5-thiazolyl)-2-[(4-fluorophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



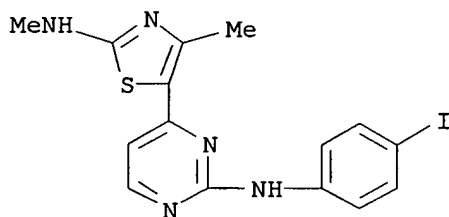
RN 364334-38-3 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



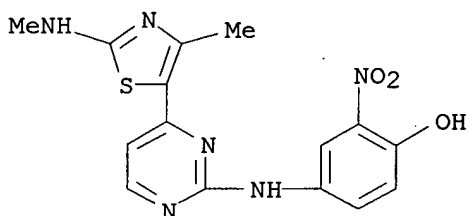
RN 364334-39-4 CAPLUS

CN 2-Pyrimidinamine, N-(4-iodophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



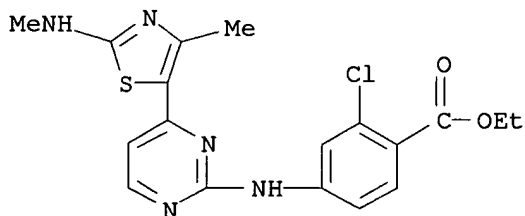
RN 364334-41-8 CAPLUS

CN Phenol, 4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]-2-nitro- (9CI) (CA INDEX NAME)



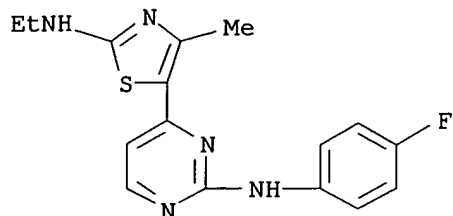
RN 364334-42-9 CAPLUS

CN Benzoic acid, 2-chloro-4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



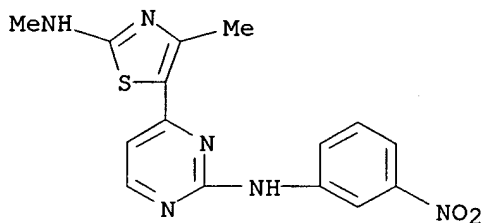
RN 364334-43-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



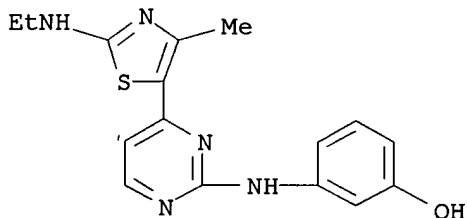
RN 364334-44-1 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



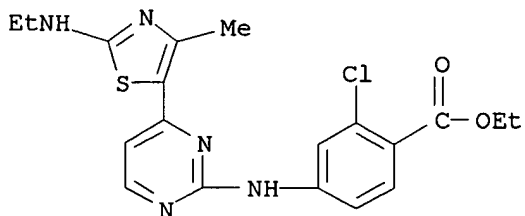
RN 364334-45-2 CAPLUS

CN Phenol, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



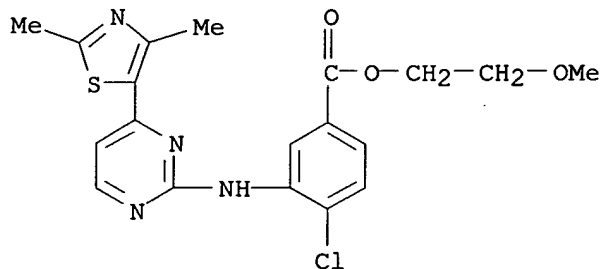
RN 364334-46-3 CAPLUS

CN Benzoic acid, 2-chloro-4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



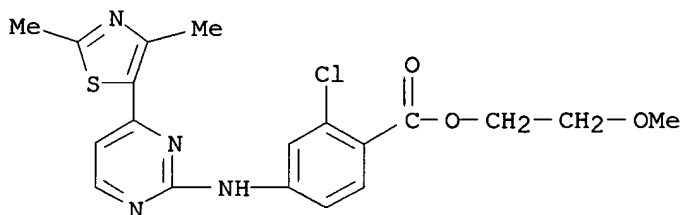
RN 364334-47-4 CAPLUS

CN Benzoic acid, 4-chloro-3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



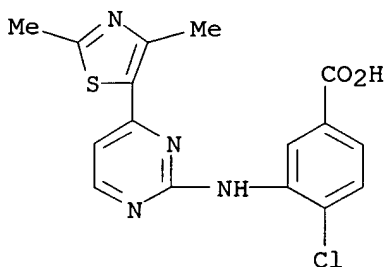
RN 364334-48-5 CAPLUS

CN Benzoic acid, 2-chloro-4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



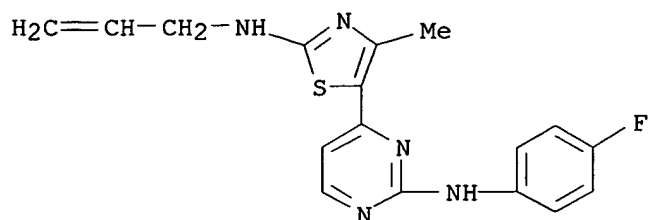
RN 364334-49-6 CAPLUS

CN Benzoic acid, 4-chloro-3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



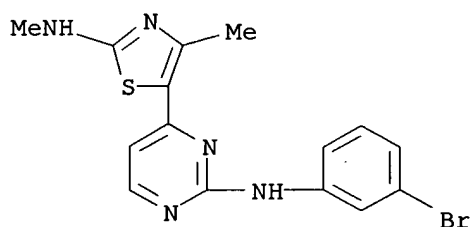
RN 364334-51-0 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[4-methyl-2-(2-propenylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



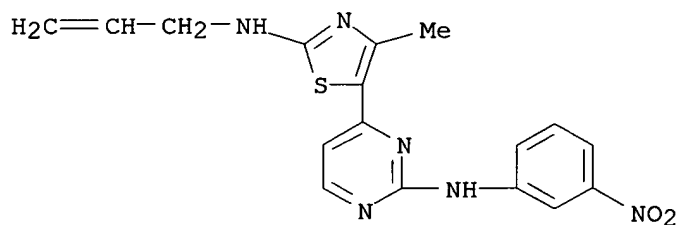
RN 364334-52-1 CAPLUS

CN 2-Pyrimidinamine, N-(3-bromophenyl)-4-[4-methyl-2-(methanimino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



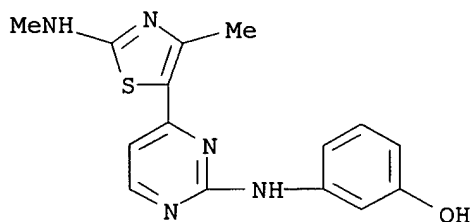
RN 364334-53-2 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(2-propenylamino)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 364334-54-3 CAPLUS

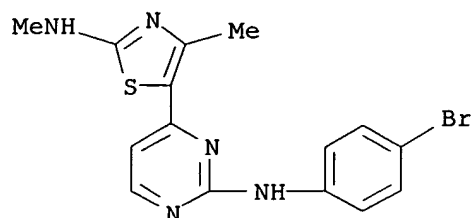
CN Phenol, 3-[[4-[4-methyl-2-(methanimino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 364334-55-4 CAPLUS

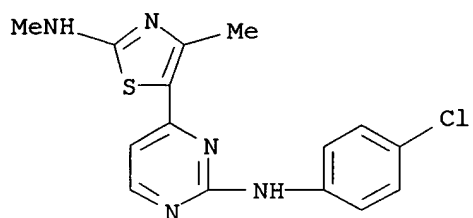
CN 2-Pyrimidinamine, N-(4-bromophenyl)-4-[4-methyl-2-(methanimino)-5-

thiazolyl]- (9CI) (CA INDEX NAME)



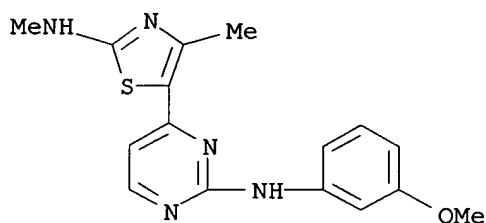
RN 364334-56-5 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



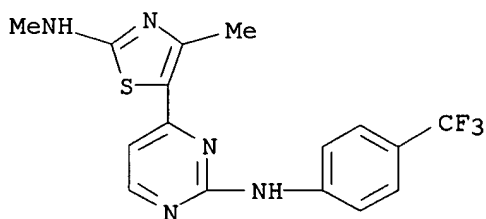
RN 364334-57-6 CAPLUS

CN 2-Pyrimidinamine, N-(3-methoxyphenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



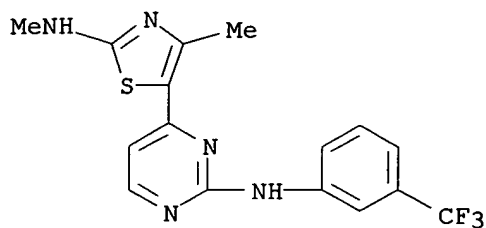
RN 364334-58-7 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



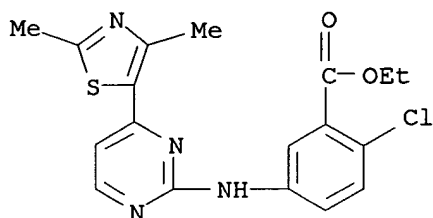
RN 364334-59-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



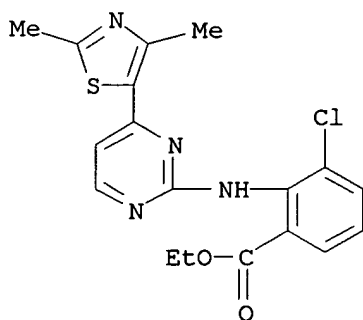
RN 364334-60-1 CAPLUS

CN Benzoic acid, 2-chloro-5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



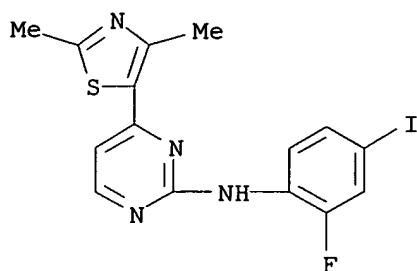
RN 364334-61-2 CAPLUS

CN Benzoic acid, 3-chloro-2-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



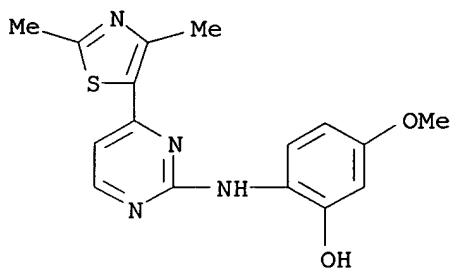
RN 364334-62-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(2-fluoro-4-iodophenyl)- (9CI) (CA INDEX NAME)



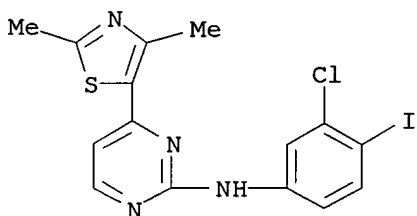
RN 364334-63-4 CAPLUS

CN Phenol, 2-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-5-methoxy-
(9CI) (CA INDEX NAME)



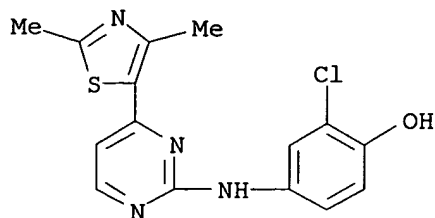
RN 364334-64-5 CAPLUS

CN 2-Pyrimidinamine, N-(3-chloro-4-iodophenyl)-4-(2,4-dimethyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)



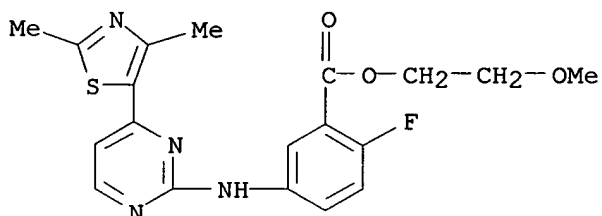
RN 364334-66-7 CAPLUS

CN Phenol, 2-chloro-4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)



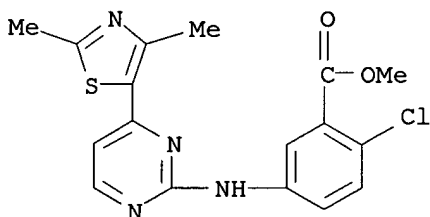
RN 364334-67-8 CAPLUS

CN Benzoic acid, 5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-fluoro-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



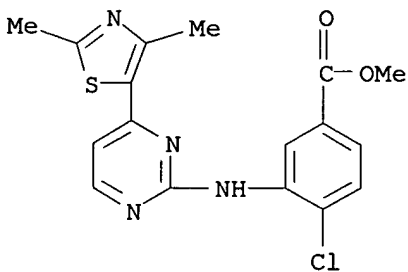
RN 364334-68-9 CAPLUS

CN Benzoic acid, 2-chloro-5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



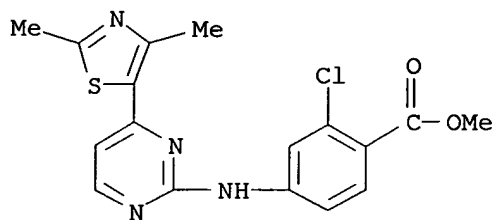
RN 364334-69-0 CAPLUS

CN Benzoic acid, 4-chloro-3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



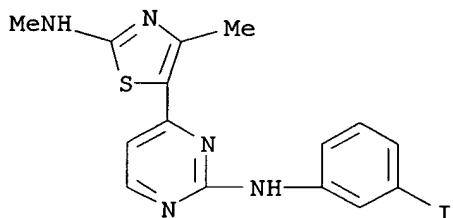
RN 364334-70-3 CAPLUS

CN Benzoic acid, 2-chloro-4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



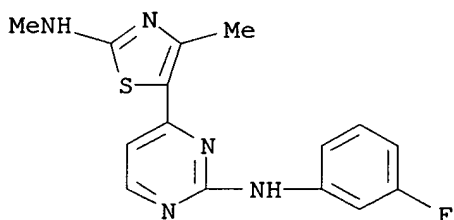
RN 364334-71-4 CAPLUS

CN 2-Pyrimidinamine, N-(3-iodophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



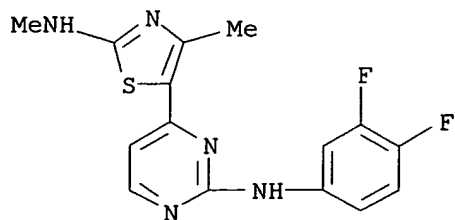
RN 364334-72-5 CAPLUS

CN 2-Pyrimidinamine, N-(3-fluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



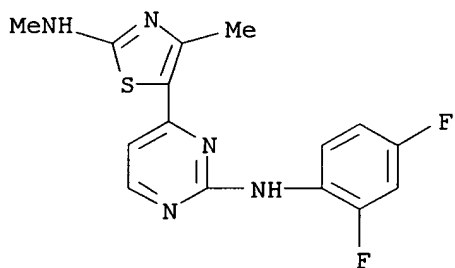
RN 364334-73-6 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-difluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



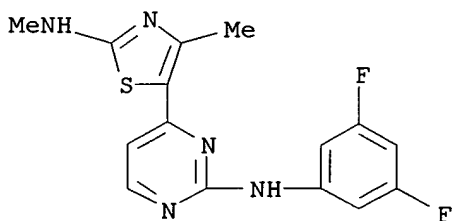
RN 364334-74-7 CAPLUS

CN 2-Pyrimidinamine, N-(2,4-difluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



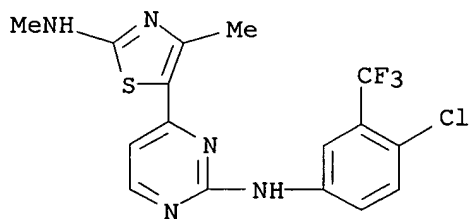
RN 364334-75-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-difluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



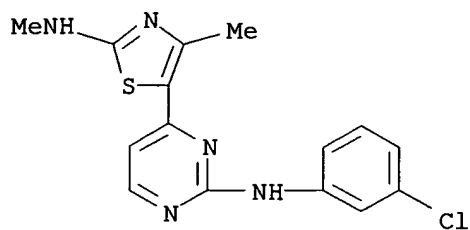
RN 364334-76-9 CAPLUS

CN 2-Pyrimidinamine, N-[4-chloro-3-(trifluoromethyl)phenyl]-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



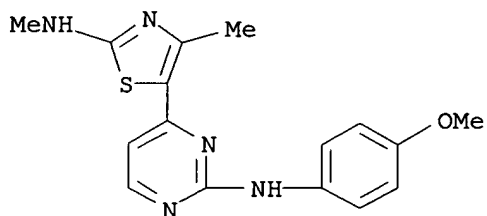
RN 364334-77-0 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



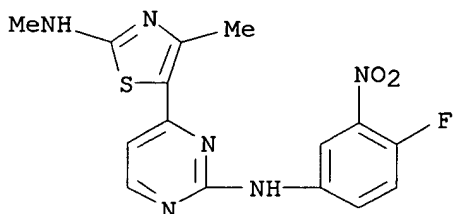
RN 364334-78-1 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxyphenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



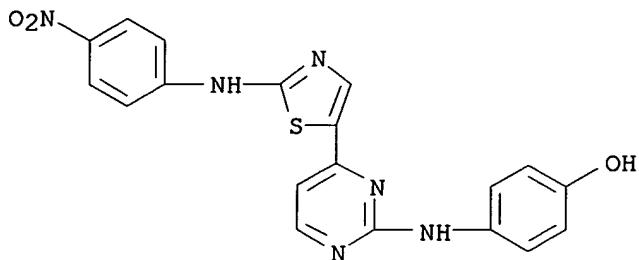
RN 364334-79-2 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluoro-3-nitrophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



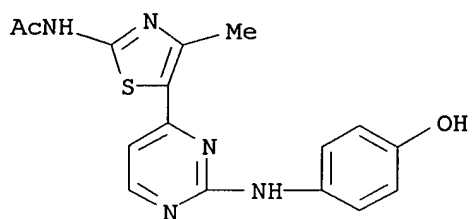
RN 364334-80-5 CAPLUS

CN Phenol, 4-[[4-[2-[(4-nitrophenyl)amino]-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



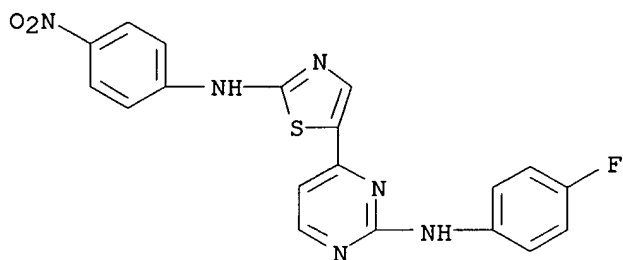
RN 364334-81-6 CAPLUS

CN Acetamide, N-[5-[2-[(4-hydroxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



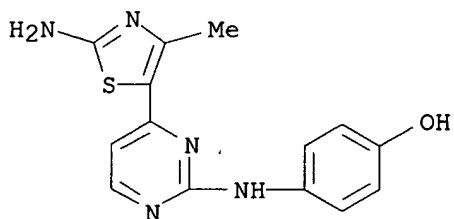
RN 364334-82-7 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[2-[(4-nitrophenyl)amino]-5-thiazolyl]- (9CI) (CA INDEX NAME)

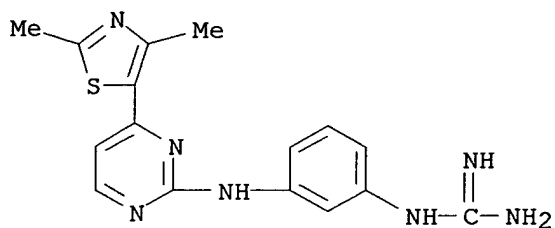


RN 364334-83-8 CAPLUS

CN Phenol, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

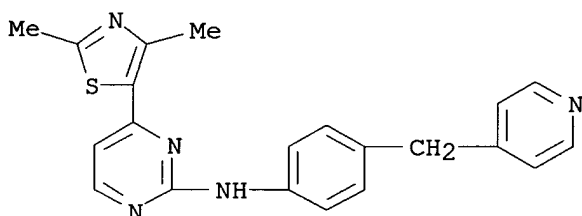


RN 364334-84-9 CAPLUS

CN Guanidine, [3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-
(9CI) (CA INDEX NAME)

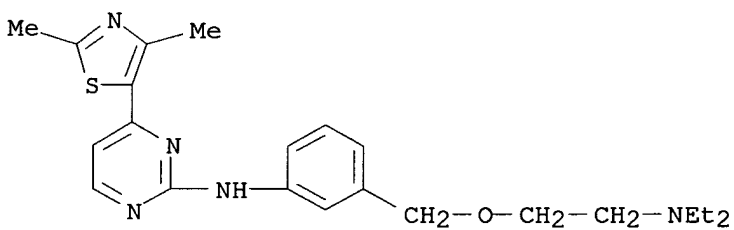
RN 364334-86-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-pyridinylmethyl)phenyl]- (9CI) (CA INDEX NAME)



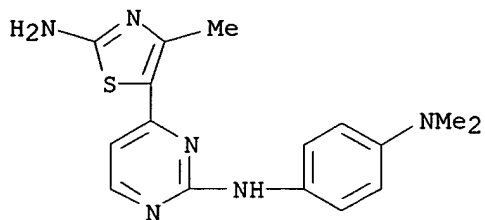
RN 364334-87-2 CAPLUS

CN 2-Pyrimidinamine, N-[3-[[2-(diethylamino)ethoxy]methyl]phenyl]-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



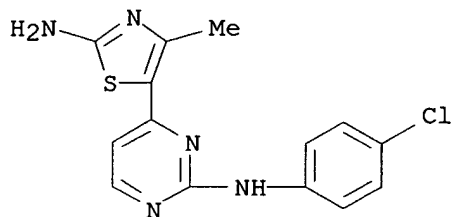
RN 507487-91-4 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]-
N,N-dimethyl- (9CI) (CA INDEX NAME)



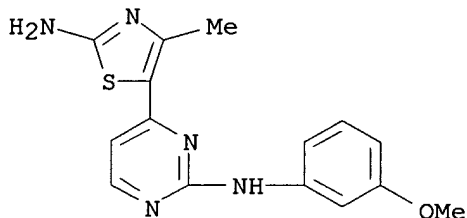
RN 507487-92-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-chlorophenyl)-
(9CI) (CA INDEX NAME)



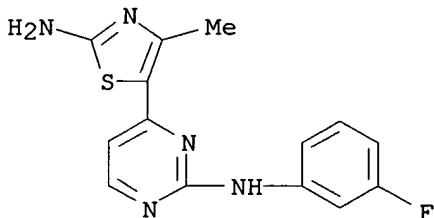
RN 507487-93-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-methoxyphenyl)-
(9CI) (CA INDEX NAME)



RN 507487-94-7 CAPLUS

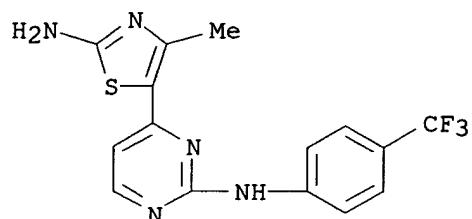
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-fluorophenyl)-
(9CI) (CA INDEX NAME)



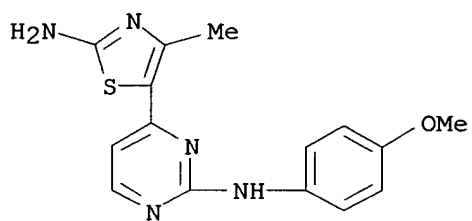
RN 507487-95-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-

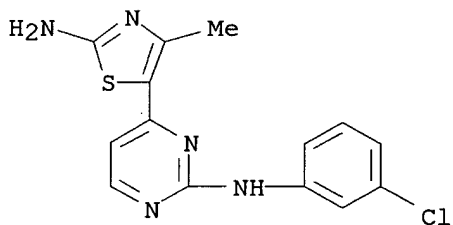
(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



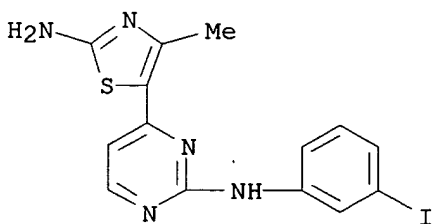
RN 507487-96-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-methoxyphenyl)-
(9CI) (CA INDEX NAME)

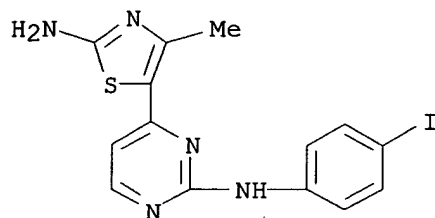
RN 507487-97-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-chlorophenyl)-
(9CI) (CA INDEX NAME)

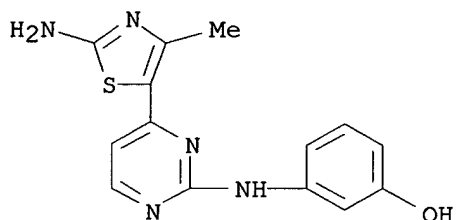
RN 507487-98-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-iodophenyl)- (9CI)
(CA INDEX NAME)

RN 507487-99-2 CAPLUS

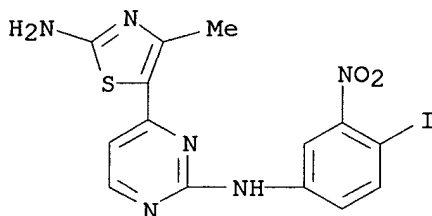
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-iodophenyl)- (9CI)
(CA INDEX NAME)

RN 507488-01-9 CAPLUS

CN Phenol, 3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)

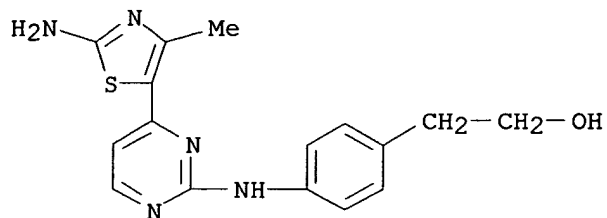
RN 507488-02-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-iodo-3-nitrophenyl)- (9CI) (CA INDEX NAME)



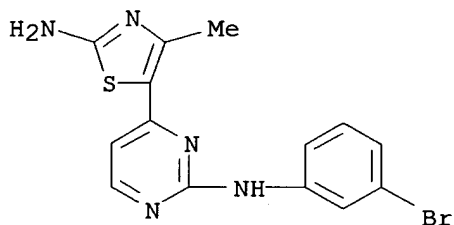
RN 507488-03-1 CAPLUS

CN Benzeneethanol, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



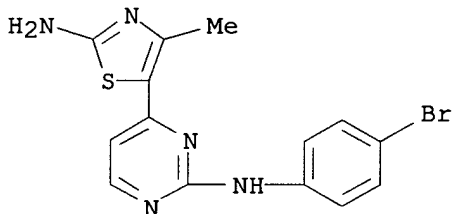
RN 507488-04-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-bromophenyl)-
(9CI) (CA INDEX NAME)



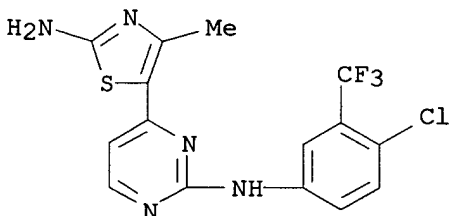
RN 507488-05-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-bromophenyl)-
(9CI) (CA INDEX NAME)



RN 507488-06-4 CAPLUS

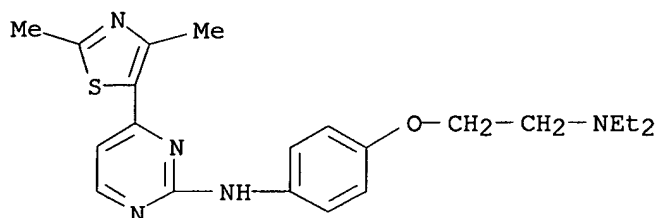
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 507488-08-6 CAPLUS

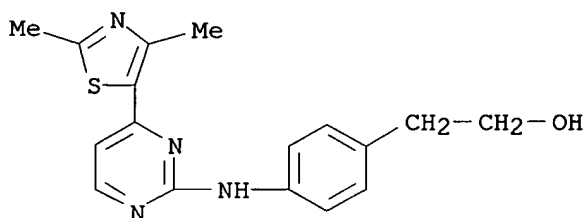
CN 2-Pyrimidinamine, N-[4-[2-(diethylamino)ethoxy]phenyl]-4-(2,4-dimethyl-5-

thiazolyl)-(9CI) (CA INDEX NAME)



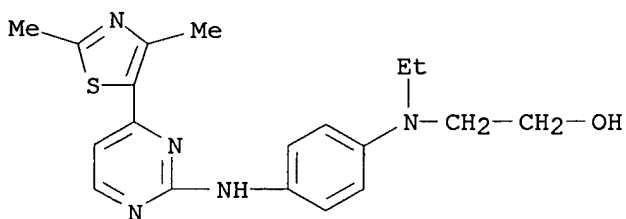
RN 507488-09-7 CAPLUS

CN Benzeneethanol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-(9CI) (CA INDEX NAME)



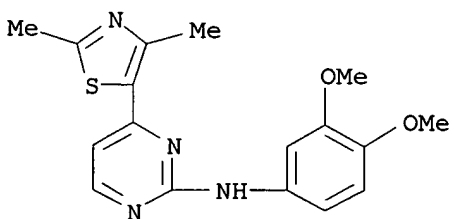
RN 507488-10-0 CAPLUS

CN Ethanol, 2-[[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]ethylamino]-(9CI) (CA INDEX NAME)

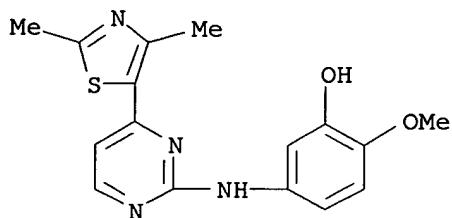


RN 507488-11-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-dimethoxyphenyl)-4-(2,4-dimethyl-5-thiazolyl)-(9CI) (CA INDEX NAME)

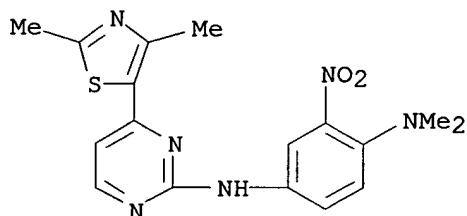


RN 507488-12-2 CAPLUS

CN Phenol, 5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-methoxy-
(9CI) (CA INDEX NAME)

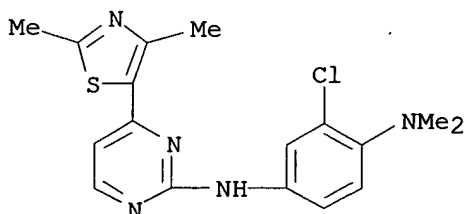
RN 507488-13-3 CAPLUS

CN 1,4-Benzenediamine, N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



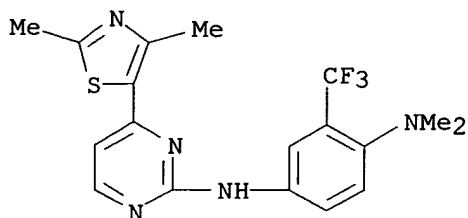
RN 507488-14-4 CAPLUS

CN 1,4-Benzenediamine, 2-chloro-N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl- (9CI) (CA INDEX NAME)



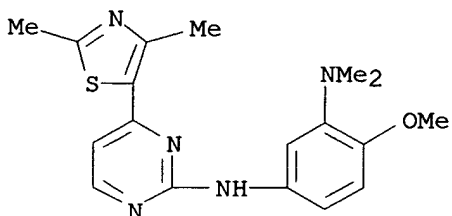
RN 507488-15-5 CAPLUS

CN 1,4-Benzenediamine, N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



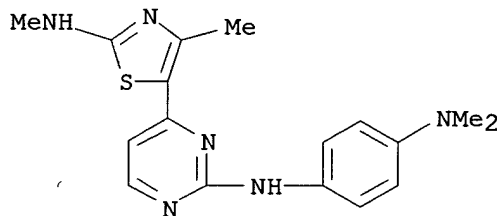
RN 507488-16-6 CAPLUS

CN 1,3-Benzenediamine, N1-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-4-methoxy-N3,N3-dimethyl- (9CI) (CA INDEX NAME)



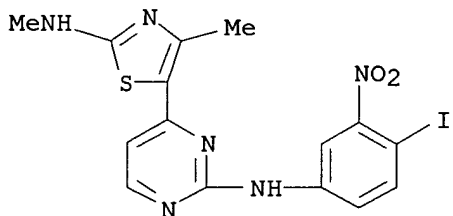
RN 507488-17-7 CAPLUS

CN 1,4-Benzenediamine, N,N-dimethyl-N'-[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 507488-18-8 CAPLUS

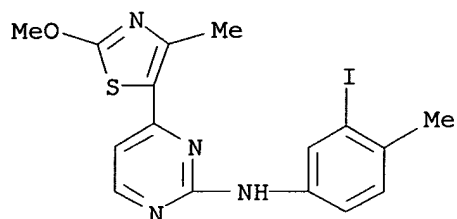
CN 2-Pyrimidinamine, N-(4-iodo-3-nitrophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



RN 507488-29-1 CAPLUS

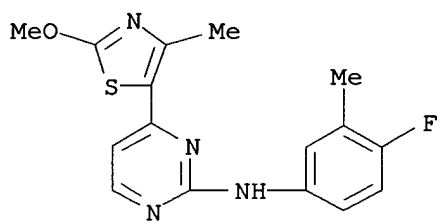
CN 2-Pyrimidinamine, N-(3-iodo-4-methylphenyl)-4-(2-methoxy-4-methyl-5-

thiazolyl)- (9CI) (CA INDEX NAME)



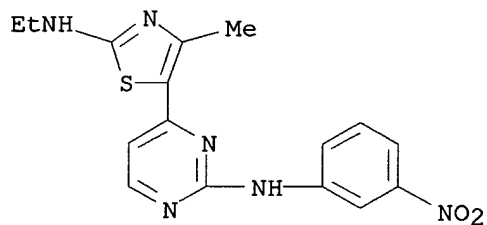
RN 507488-30-4 CAPLUS

CN 2-Pyrimidinamine, N-(4-iodo-3-methylphenyl)-4-(2-methoxy-4-methyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



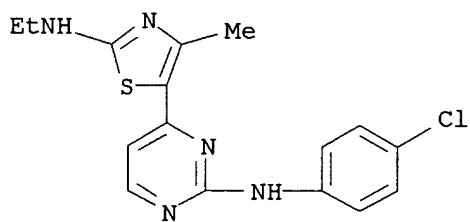
RN 507488-33-7 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



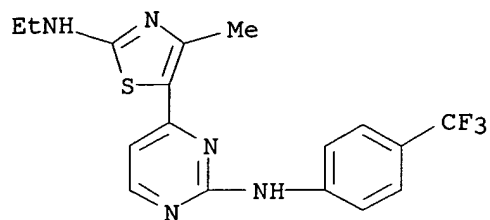
RN 507488-35-9 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



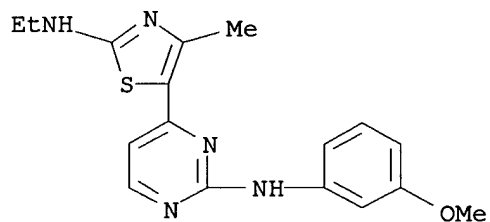
RN 507488-36-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



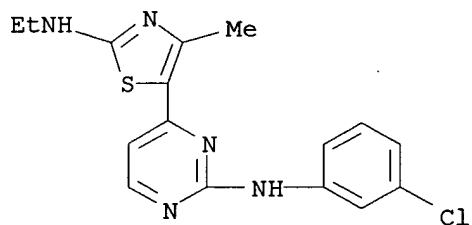
RN 507488-37-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



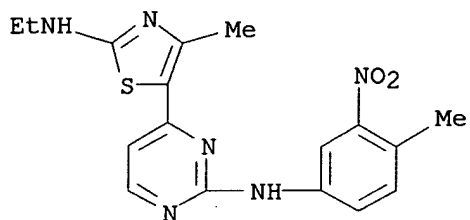
RN 507488-38-2 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



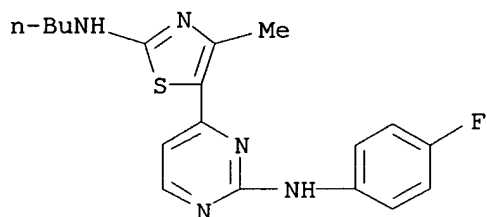
RN 507488-39-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(4-methyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)



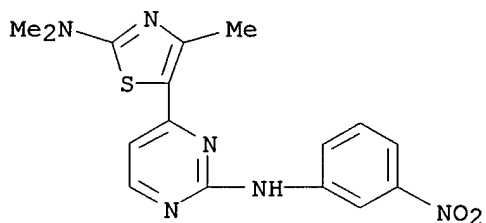
RN 507488-40-6 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(butylamino)-4-methyl-5-thiazolyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



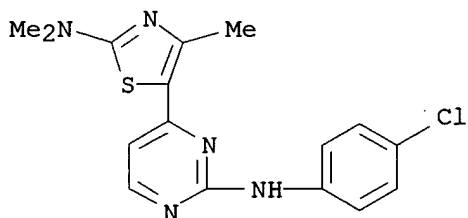
RN 507488-42-8 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(dimethylamino)-4-methyl-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 507488-44-0 CAPLUS

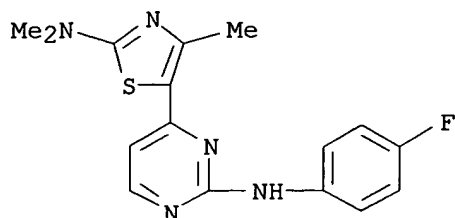
CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-[2-(dimethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



RN 507488-45-1 CAPLUS

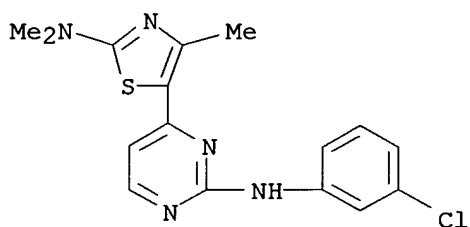
CN 2-Pyrimidinamine, 4-[2-(dimethylamino)-4-methyl-5-thiazolyl]-N-(4-

fluorophenyl)- (9CI) (CA INDEX NAME)



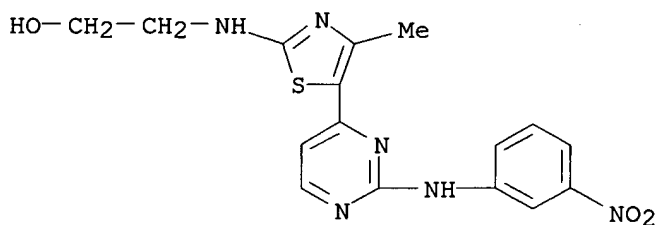
RN 507488-46-2 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[2-(dimethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



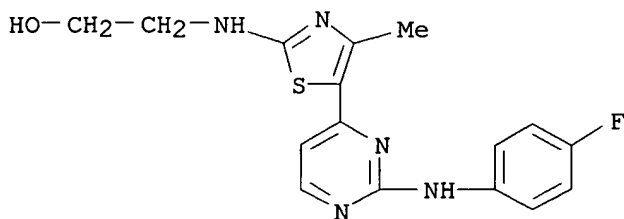
RN 507488-48-4 CAPLUS

CN Ethanol, 2-[[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]amino]- (9CI) (CA INDEX NAME)

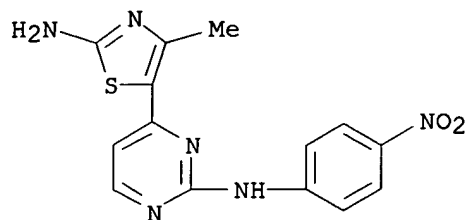


RN 507488-49-5 CAPLUS

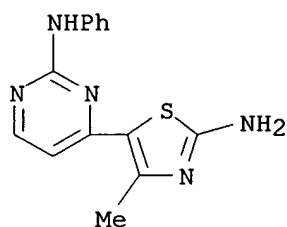
CN Ethanol, 2-[[5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]amino]- (9CI) (CA INDEX NAME)



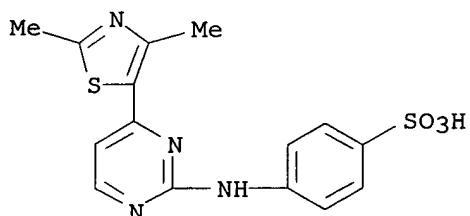
RN 507488-52-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-nitrophenyl)-
(9CI) (CA INDEX NAME)

RN 507488-53-1 CAPLUS

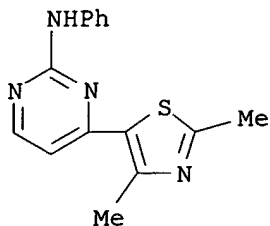
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-phenyl- (9CI) (CA
INDEX NAME)

RN 507488-55-3 CAPLUS

CN Benzenesulfonic acid, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-
pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

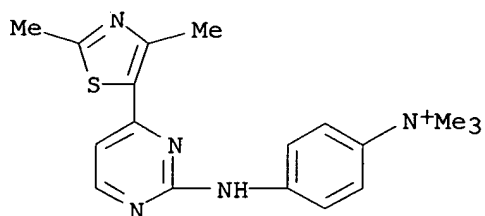
RN 674333-60-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-phenyl- (9CI) (CA INDEX
NAME)



RN 693290-45-8 CAPLUS

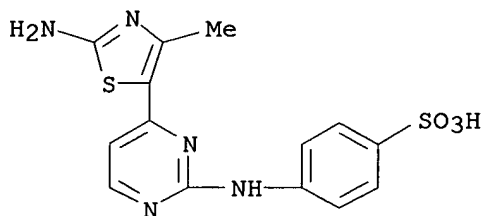
CN Benzenaminium, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N,N,N-trimethyl-, iodide (9CI) (CA INDEX NAME)



● I⁻

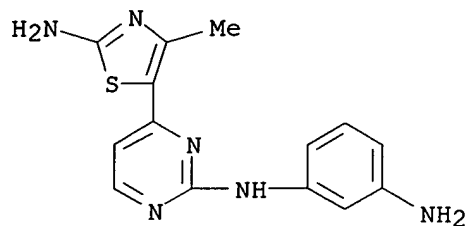
RN 693290-46-9 CAPLUS

CN Benzenesulfonic acid, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



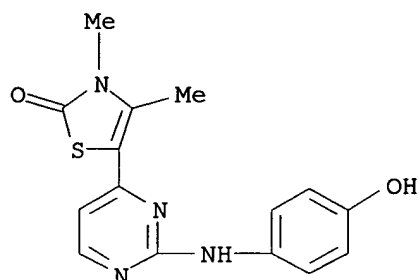
RN 693290-47-0 CAPLUS

CN 1,3-Benzenediamine, N-[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



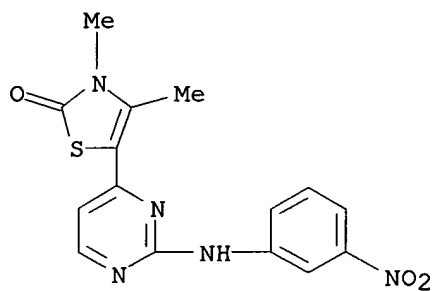
RN 693290-48-1 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-amino-2-methylthiazol-5-yl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



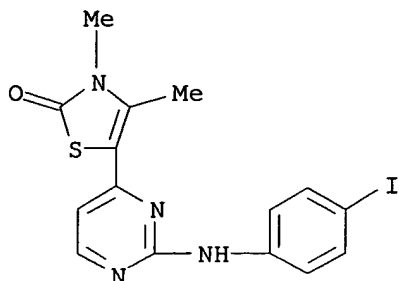
RN 693290-49-2 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



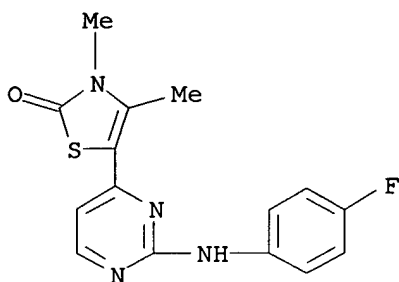
RN 693290-50-5 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-iodophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



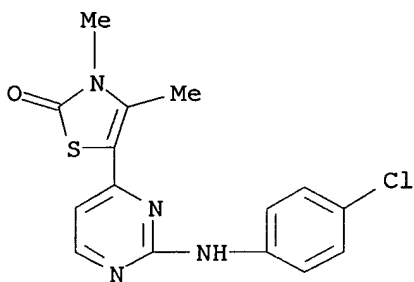
RN 693290-51-6 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl-
(9CI) (CA INDEX NAME)



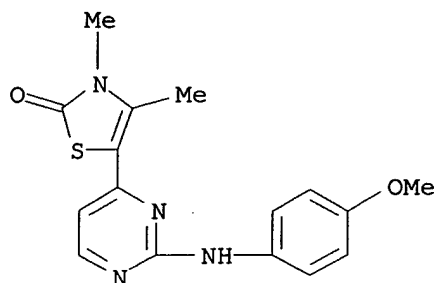
RN 693290-52-7 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chlorophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl-
(9CI) (CA INDEX NAME)



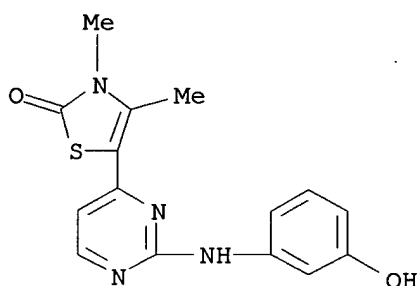
RN 693290-53-8 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-methoxyphenyl)amino]-4-pyrimidinyl]-3,4-
dimethyl- (9CI) (CA INDEX NAME)



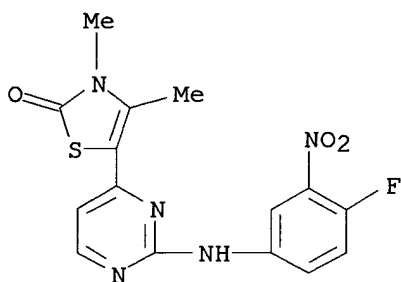
RN 693290-54-9 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(3-hydroxyphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



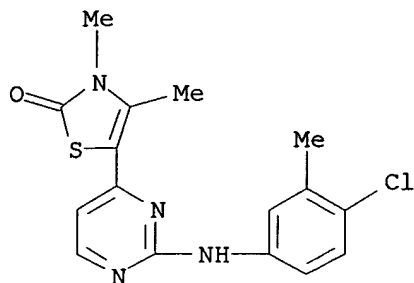
RN 693290-55-0 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluoro-3-nitrophenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



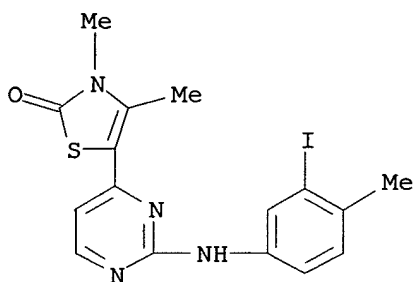
RN 693290-56-1 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-chloro-3-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



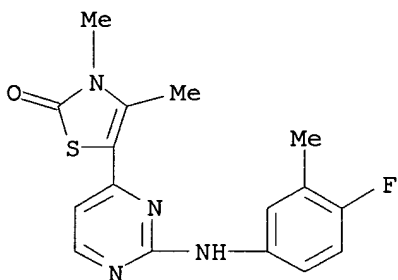
RN 693290-57-2 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(3-iodo-4-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



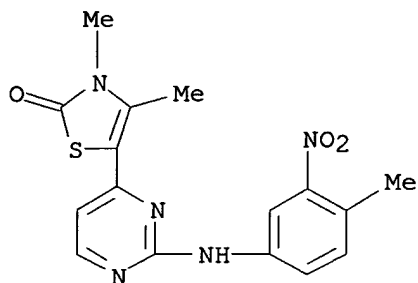
RN 693290-58-3 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[(4-fluoro-3-methylphenyl)amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



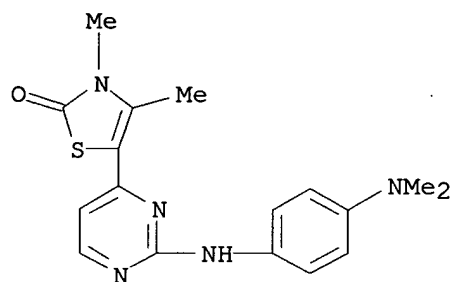
RN 693290-59-4 CAPLUS

CN 2(3H)-Thiazolone, 3,4-dimethyl-5-[2-[(4-methyl-3-nitrophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 693290-60-7 CAPLUS

CN 2(3H)-Thiazolone, 5-[2-[[4-(dimethylamino)phenyl]amino]-4-pyrimidinyl]-3,4-dimethyl- (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:324510 CAPLUS

DN 142:51189

TI Structural Determinants of CDK4 Inhibition and Design of Selective ATP Competitive Inhibitors

AU McInnes, Campbell; Wang, Shudong; Anderson, Sian; O'Boyle, Janice; Jackson, Wayne; Kontopidis, George; Meades, Christopher; Mezna, Mokdad; Thomas, Mark; Wood, Gavin; Lane, David P.; Fischer, Peter M.

CS Cyclacel Limited, Dundee, DD1 5JJ, UK

SO Chemistry & Biology (2004), 11(4), 525-534

CODEN: CBOLE2; ISSN: 1074-5521

PB Cell Press

DT Journal

LA English

AB A number of selective inhibitors of the CDK4/cyclin D1 complex have been reported recently. Due to the absence of an exptl. CDK4 structure, the ligand and protein determinants contributing to CDK4 selectivity are poorly understood at present. Here, we report the use of computational methods to elucidate the characteristics of selectivity and to derive the structural basis for specific, high-affinity binding of inhibitors to the CDK4 active site. From these data, the hypothesis emerged that appropriate incorporation of an ionizable function into a CDK2 inhibitor results in more favorable binding to CDK4. This knowledge was applied to the design of compds. in the otherwise CDK2-selective 2-anilino-4-(thiazol-5-yl)pyrimidine pharmacophore that are potent and highly selective ATP antagonists of CDK4/cyclin D1. The findings of this study also have significant implications in the design of CDK4 mimic structures based on CDK2.

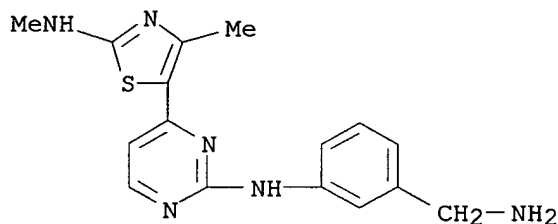
IT 693229-69-5P

RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(PI; mol. modeling of CDK4 kinase inhibition and design of selective ATP competitive inhibitors)

RN 693229-69-5 CAPLUS

CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



IT 693228-63-6P 693228-65-8P 693228-73-8P

693228-77-2P 693228-83-0P 693229-59-3P

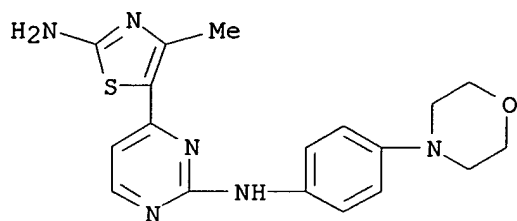
693229-61-7P 693229-65-1P 693230-49-8P

RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(mol. modeling of CDK4 kinase inhibition and design of selective ATP competitive inhibitors)

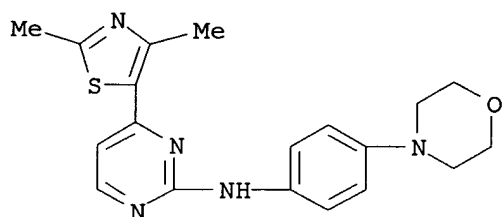
RN 693228-63-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



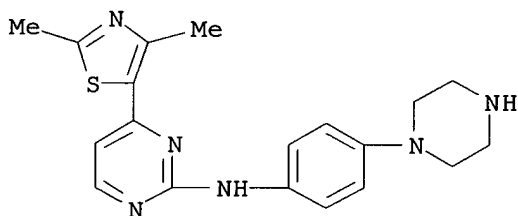
RN 693228-65-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-morpholinyl)phenyl]-
(9CI) (CA INDEX NAME)



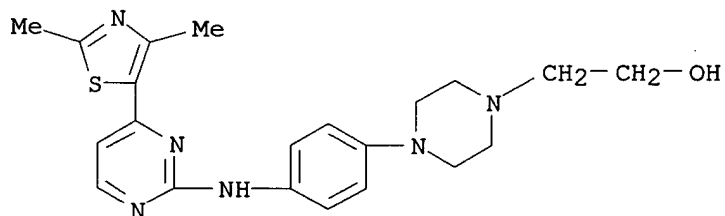
RN 693228-73-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(1-piperazinyl)phenyl]-
(9CI) (CA INDEX NAME)



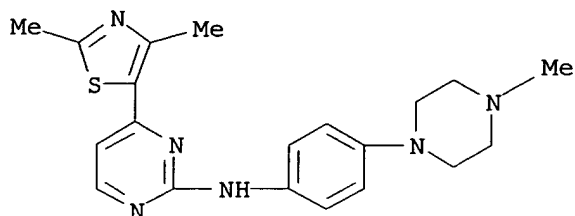
RN 693228-77-2 CAPLUS

CN 1-Piperazineethanol, 4-[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



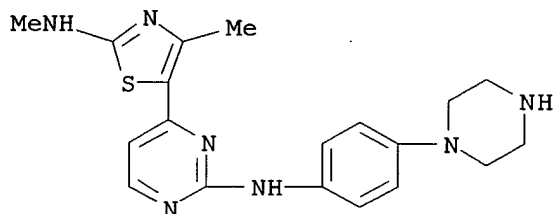
RN 693228-83-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-methyl-1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



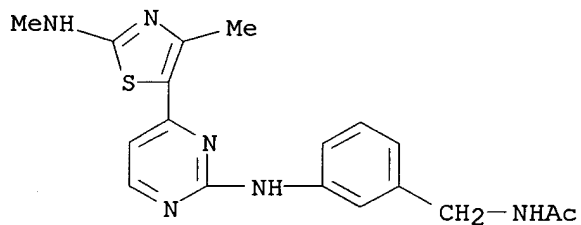
RN 693229-59-3 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-(1-piperazinyl)phenyl]- (9CI) (CA INDEX NAME)



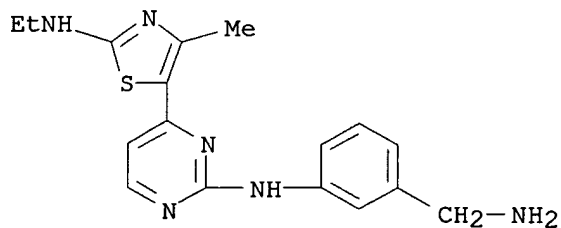
RN 693229-61-7 CAPLUS

CN Acetamide, N-[[3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]methyl]- (9CI) (CA INDEX NAME)

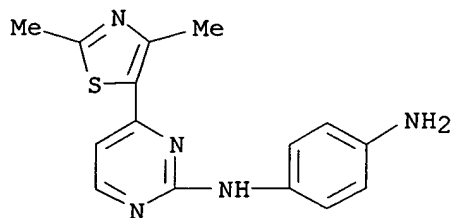


RN 693229-65-1 CAPLUS

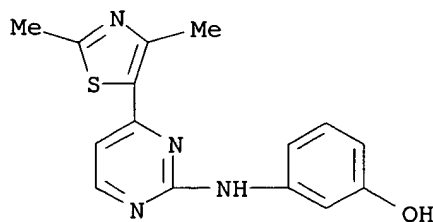
CN 2-Pyrimidinamine, N-[3-(aminomethyl)phenyl]-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



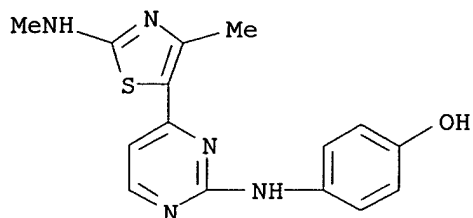
RN 693230-49-8 CAPLUS

CN 1,4-Benzenediamine, N-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]- (9CI)
(CA INDEX NAME)RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 20 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:102824 CAPLUS
 DN 140:270811
 TI 2-Anilino-4-(thiazol-5-yl)pyrimidine CDK Inhibitors: Synthesis, SAR
 Analysis, X-ray Crystallography, and Biological Activity
 AU Wang, Shudong; Meades, Christopher; Wood, Gavin; Osnowski, Andrew;
 Anderson, Sian; Yuill, Rhoda; Thomas, Mark; Mezna, Mokdad; Jackson, Wayne;
 Midgley, Carol; Griffiths, Gary; Fleming, Ian; Green, Simon; McNae, Iain;
 Wu, Su-Ying; McInnes, Campbell; Zheleva, Daniella; Walkinshaw, Malcolm D.;
 Fischer, Peter M.
 CS Cyclacel Limited, Dundee, DD1 5JJ, UK
 SO Journal of Medicinal Chemistry (2004), 47(7), 1662-1675
 CODEN: JMCMAR; ISSN: 0022-2623
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 140:270811
 AB Following the identification through virtual screening of
 4-(2,4-dimethyl-thiazol-5-yl)pyrimidin-2-ylamines as moderately potent
 inhibitors of cyclin-dependent kinase-2 (CDK2), a CDK inhibitor analog
 program was initiated. The first aims were to optimize potency and to
 evaluate the cellular mode of action of lead candidate mols. Here the
 synthetic chemical, the structure-guided design approach, and the
 structure-activity relationships (SARs) that led to the discovery of
 2-anilino-4-(thiazol-5-yl)pyrimidine ATP-antagonistic CDK2 inhibitors,
 many with very low nM Kis against CDK2, are reported. Furthermore, X-ray
 crystal structures of four representative analogs from our chemical series in
 complex with CDK2 are presented, and these structures are used to
 rationalize the observed biochem. SARs. Finally results are reported that
 show, using the most potent CDK2 inhibitor compound from the current series,
 that the observed antiproliferative and proapoptotic effects are consistent
 with cellular CDK2 and CDK9 inhibition.
 IT **364334-09-8DP**, complex with CDK2 **364334-30-5DP**, complex
 with CDK2 **364334-88-3DP**, complex with CDK2 **507487-89-0DP**
 , complex with CDK2
 RL: PRP (Properties); SPN. (Synthetic preparation); PREP (Preparation)
 (crystal structure of)
 RN 364334-09-8 CAPLUS
 CN Phenol, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA
 INDEX NAME)

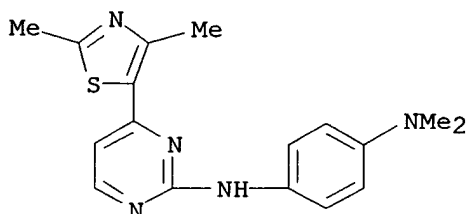


RN 364334-30-5 CAPLUS
 CN Phenol, 4-[[4-methyl-2-(methyamino)-5-thiazolyl]-2-pyrimidinyl]amino]-
 (9CI) (CA INDEX NAME)



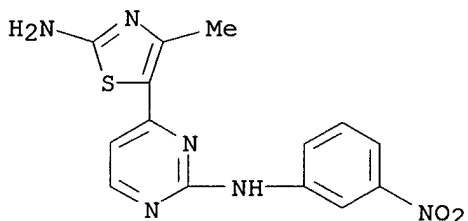
RN 364334-88-3 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 507487-89-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



IT **364333-75-5P**, (2-Chlorophenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-76-6P**, (4-Chlorophenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-77-7P**, (3-Chlorophenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **364333-82-4P** **364333-83-5P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](4-nitrophenyl)amine **364333-88-0P** **364333-89-1P** **364333-94-8P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](3-trifluoromethylphenyl)amine **364333-95-9P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](2-trifluoromethylphenyl)amine **364333-96-0P**, [4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl](4-trifluoromethylphenyl)amine **364334-04-3P** **364334-09-8P**, 3-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-10-1P**, 4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-16-7P**, N-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]benzene 1,3-diamine **364334-18-9P**, 3-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-ylamino]benzonitrile **364334-30-5P**, 4-[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-

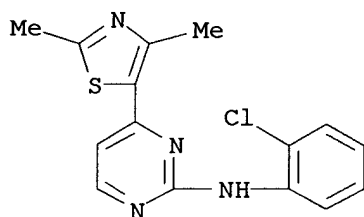
ylamino]phenol **364334-44-1P**, [4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **364334-45-2P**, 3-[4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-53-2P**, [4-(2-Allylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **364334-54-3P**, 3-[4-(4-Methyl-2-methylaminothiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-83-8P**, 4-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]phenol **364334-88-3P**, N-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]N',N'-dimethylbenzene-1,4-diamine **507487-89-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **507487-91-4P**, N-[4-(2-Amino-4-methylthiazol-5-yl)-pyrimidin-2-yl]N',N'-dimethylbenzene-1,4-diamine **507488-13-3P** **507488-14-4P** **507488-42-8P**, [4-(2-Dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **674333-60-9P** **674333-61-0P** **674333-62-1P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of 2-anilino-4-(thiazol-5-yl)pyrimidines as CDK inhibitors)

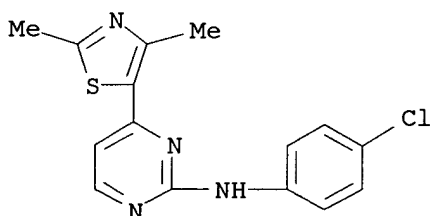
RN 364333-75-5 CAPLUS

CN 2-Pyrimidinamine, N-(2-chlorophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI)
(CA INDEX NAME)



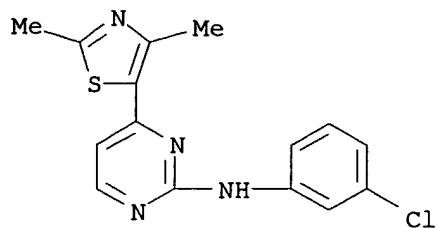
RN 364333-76-6 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI)
(CA INDEX NAME)



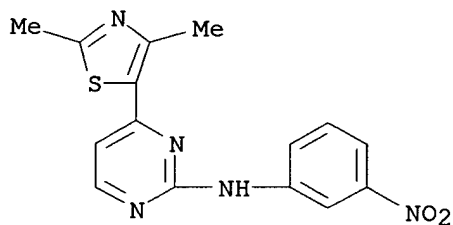
RN 364333-77-7 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI)
(CA INDEX NAME)



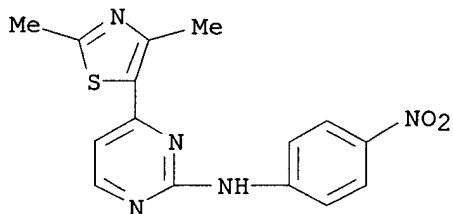
RN 364333-82-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI)
(CA INDEX NAME)



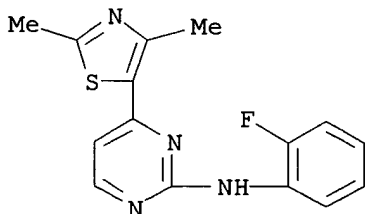
RN 364333-83-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-nitrophenyl)- (9CI)
(CA INDEX NAME)



RN 364333-88-0 CAPLUS

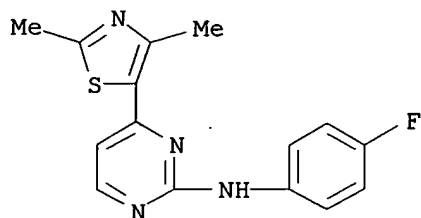
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(2-fluorophenyl)- (9CI)
(CA INDEX NAME)



RN 364333-89-1 CAPLUS

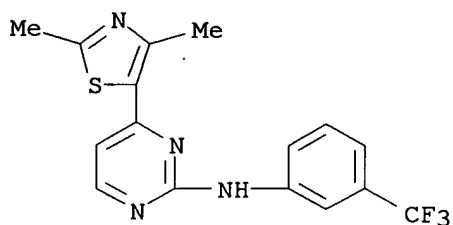
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)- (9CI)

(CA INDEX NAME)



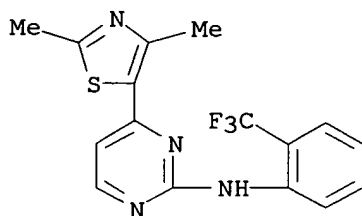
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CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



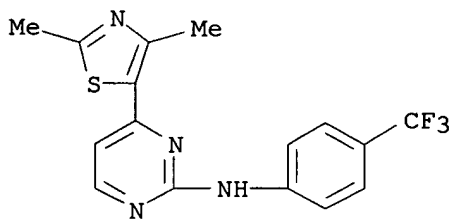
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CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

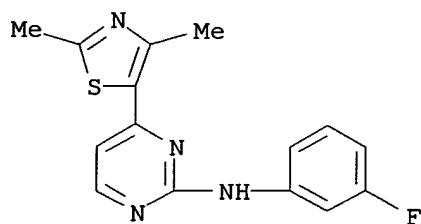


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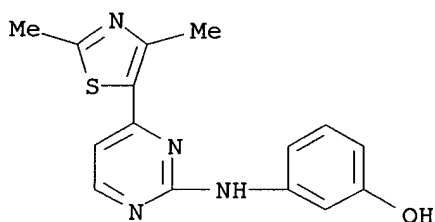
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



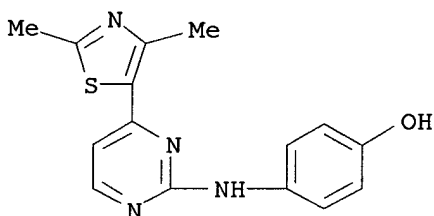
RN 364334-04-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-fluorophenyl)- (9CI)
(CA INDEX NAME)

RN 364334-09-8 CAPLUS

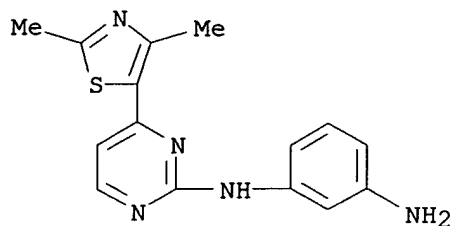
CN Phenol, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA
INDEX NAME)

RN 364334-10-1 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA
INDEX NAME)

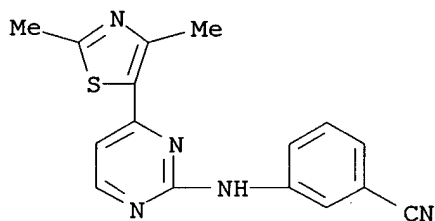
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CN 1,3-Benzenediamine, N-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]- (9CI)
(CA INDEX NAME)



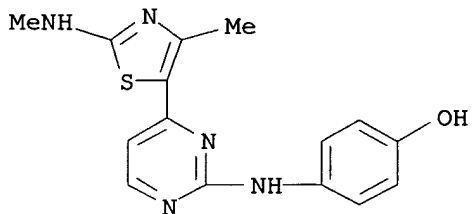
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CN Benzonitrile, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)



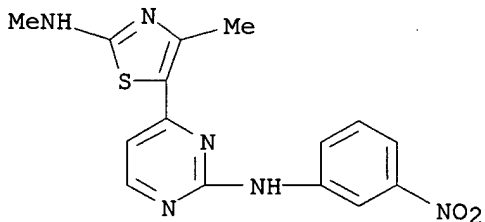
RN 364334-30-5 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 364334-44-1 CAPLUS

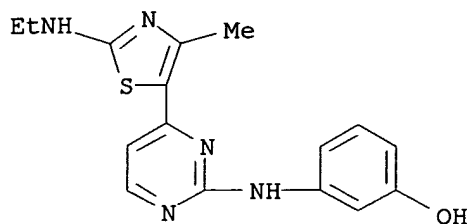
CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 364334-45-2 CAPLUS

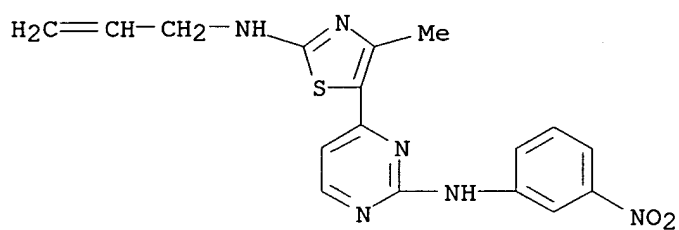
CN Phenol, 3-[[4-(2-(ethylamino)-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]-

(9CI) (CA INDEX NAME)



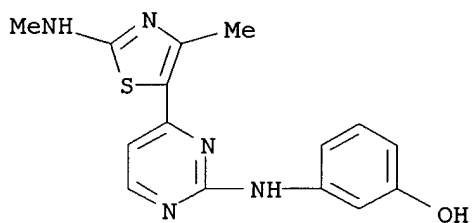
RN 364334-53-2 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(2-propenylamino)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



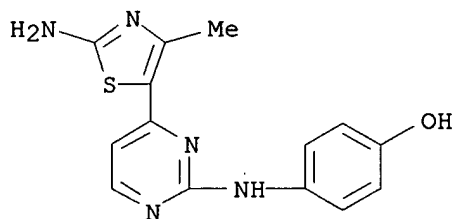
RN 364334-54-3 CAPLUS

CN Phenol, 3-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



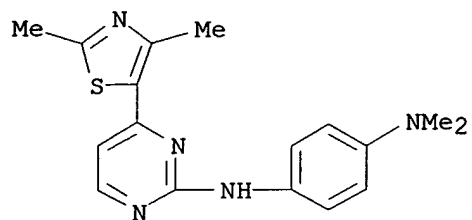
RN 364334-83-8 CAPLUS

CN Phenol, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



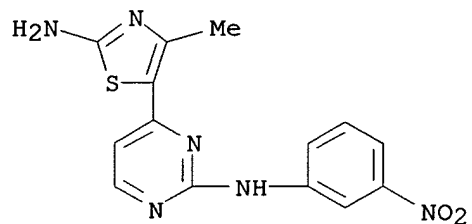
RN 364334-88-3 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



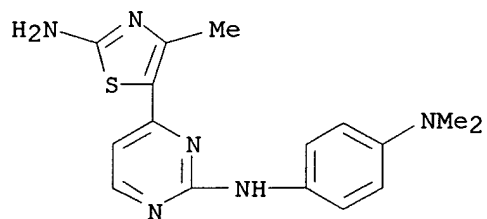
RN 507487-89-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



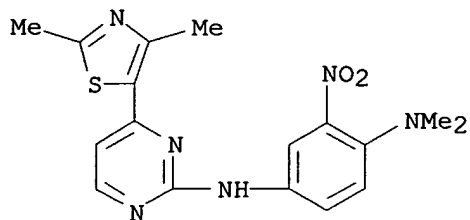
RN 507487-91-4 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



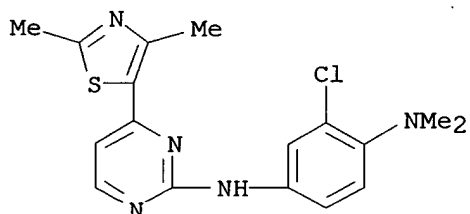
RN 507488-13-3 CAPLUS

CN 1,4-Benzenediamine, N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



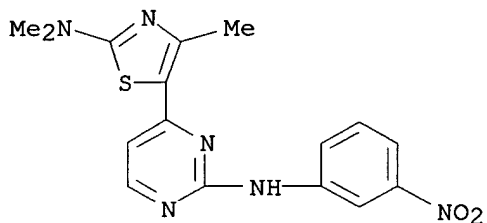
RN 507488-14-4 CAPLUS

CN 1,4-Benzenediamine, 2-chloro-N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl- (9CI) (CA INDEX NAME)



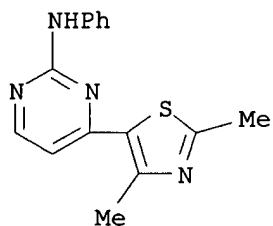
RN 507488-42-8 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(dimethylamino)-4-methyl-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 674333-60-9 CAPLUS

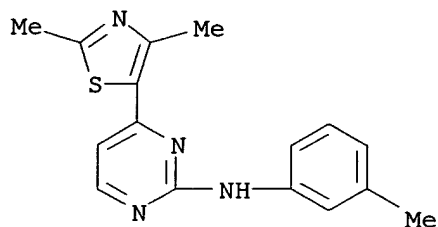
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-phenyl- (9CI) (CA INDEX NAME)



RN 674333-61-0 CAPLUS

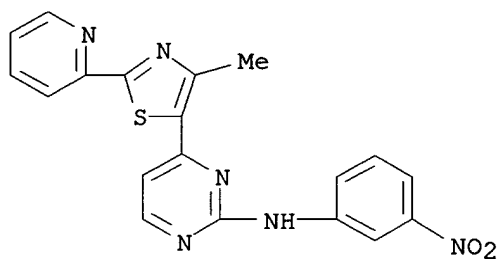
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-methylphenyl)- (9CI)

(CA INDEX NAME)



RN 674333-62-1 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(2-pyridinyl)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2003:282567 CAPLUS
 DN 138:304297
 TI Preparation of thiazolyl substituted aminopyrimidines as plant protection agents
 IN Mueller, Urs; Eberle, Martin; Pillonel, Christian; Lutz, William; Stanetty, Peter
 PA Syngenta Participations Ag, Switz.
 SO PCT Int. Appl., 128 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2003029249 | A1 | 20030410 | WO 2002-IB3868 | 20020919 |
| | W: | | | | |
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| | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
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| | BR 2002013010 | A | 20041005 | BR 2002-13010 | 20020919 |
| | US 2005038059 | A1 | 20050217 | US 2004-491231 | 20040924 |
| PRAI | GB 2001-23589 | A | 20011001 | | |
| | WO 2002-IB3868 | W | 20020919 | | |

OS MARPAT 138:304297

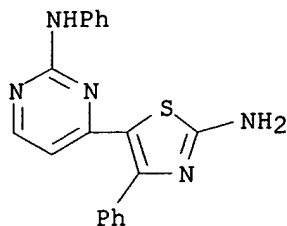
AB The title compds. [I; R1 = H, alkyl, cycloalkyl, etc.; R2 = H, alkyl, haloalkyl, etc.; NR1R2 = (un)substituted (un)saturated ring which may contain O or S as a ring member, or form N:CR9NR10R11; R3 = H, halo, alkyl; R4 = H, alkyl, haloalkyl, etc.; R5 = H, OH, halo, etc.; R6 = H, alkyl, haloalkyl; R7 = (un)substituted thienyl, pyridyl, aryl; R8 = H, alkyl, alkenyl, etc.; R9 = H, alkyl, haloalkyl, etc.; R10 = alkyl, haloalkyl, alkoxyalkyl, etc.; R11 = alkyl, cycloalkyl, aryl, etc.], useful as fungicides, were prepared. Thus, a multi-step synthesis of I [NR1R2 = N:C(Me)NMe2; R3-R6 = H; R7 = Ph; R8 = H], starting from 4-methyl-2-methylthiopyrimidine and Me benzoate, was given. The compds. I showed good activity in twelve different tests (biol. data given).

IT 509086-70-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of thiazolyl substituted aminopyrimidines as plant protection agents)

RN 509086-70-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-phenyl- (9CI) (CA INDEX NAME)



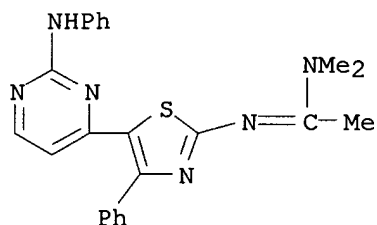
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 509087-80-3P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thiazolyl substituted aminopyrimidines as plant protection agents)

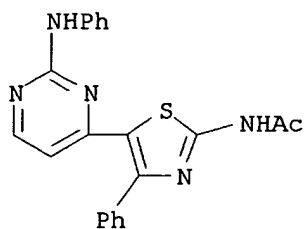
RN 509086-63-9 CAPLUS

CN Ethanimidamide, N,N-dimethyl-N'-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



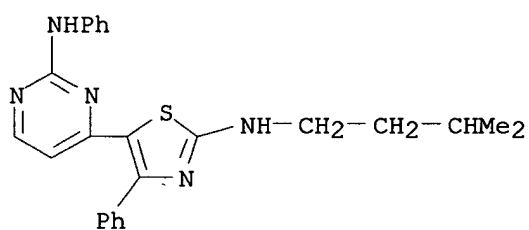
RN 509086-64-0 CAPLUS

CN Acetamide, N-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



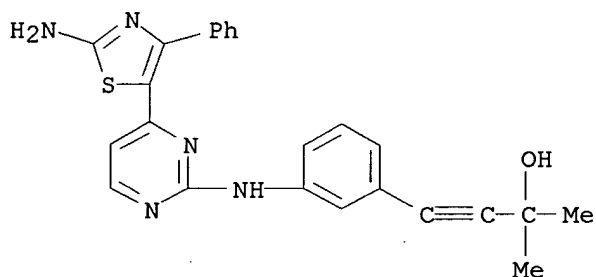
RN 509086-65-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-[(3-methylbutyl)amino]-4-phenyl-5-thiazolyl]-N-phenyl- (9CI) (CA INDEX NAME)



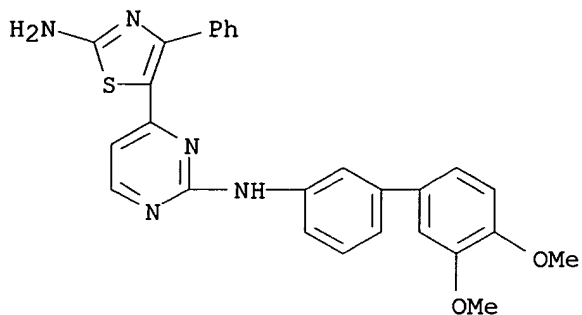
RN 509086-66-2 CAPLUS

CN 3-Butyn-2-ol, 4-[3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-2-methyl- (9CI) (CA INDEX NAME)



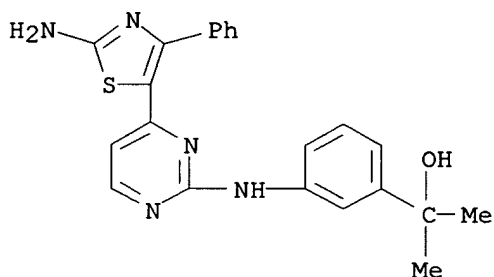
RN 509086-67-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(3',4'-dimethoxy[1,1'-biphenyl]-3-yl)- (9CI) (CA INDEX NAME)



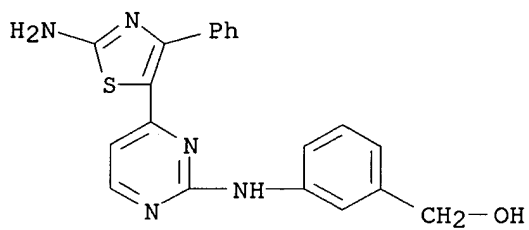
RN 509086-68-4 CAPLUS

CN Benzenemethanol, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- α,α -dimethyl- (9CI) (CA INDEX NAME)



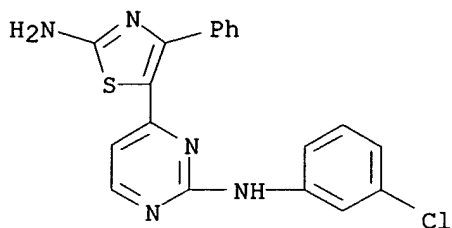
RN 509086-69-5 CAPLUS

CN Benzenemethanol, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



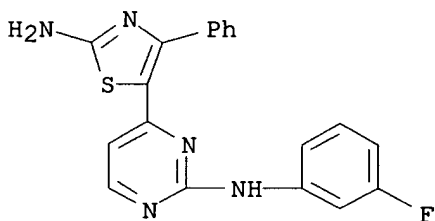
RN 509086-71-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(3-chlorophenyl)- (9CI) (CA INDEX NAME)



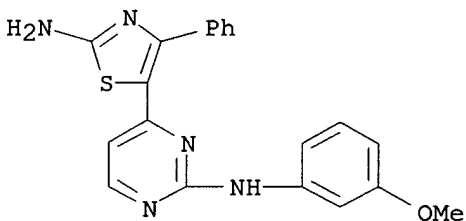
RN 509086-72-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(3-fluorophenyl)-
(9CI) (CA INDEX NAME)



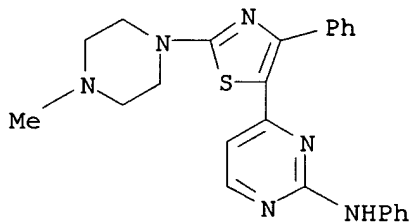
RN 509086-73-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(3-methoxyphenyl)-
(9CI) (CA INDEX NAME)



RN 509086-74-2 CAPLUS

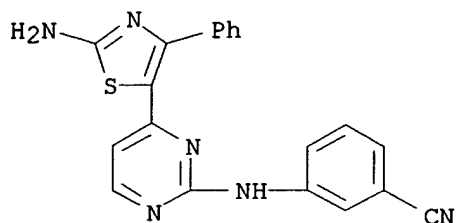
CN 2-Pyrimidinamine, 4-[2-(4-methyl-1-piperazinyl)-4-phenyl-5-thiazolyl]-N-phenyl-
(9CI) (CA INDEX NAME)



RN 509086-75-3 CAPLUS

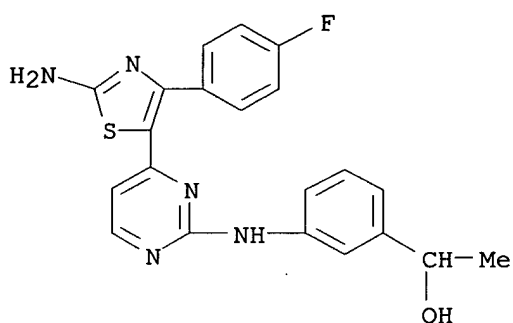
CN Benzonitrile, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]-

(9CI) (CA INDEX NAME)



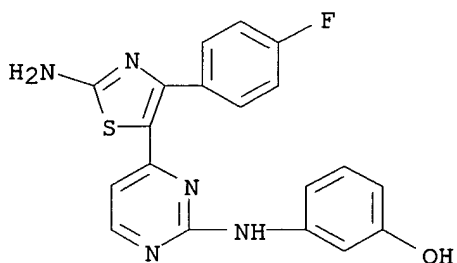
RN 509086-76-4 CAPLUS

CN Benzenemethanol, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]-α-methyl- (9CI) (CA INDEX NAME)



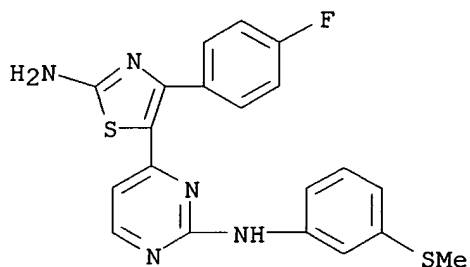
RN 509086-77-5 CAPLUS

CN Phenol, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



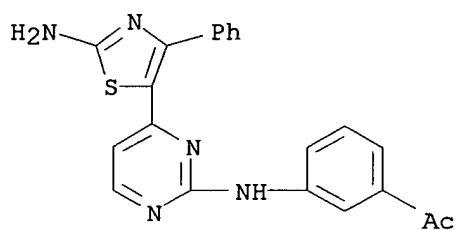
RN 509086-78-6 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-[3-(methylthio)phenyl]- (9CI) (CA INDEX NAME)



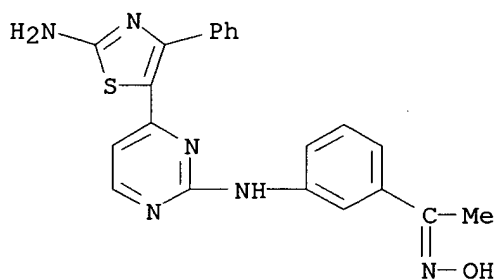
RN 509086-79-7 CAPLUS

CN Ethanone, 1-[3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



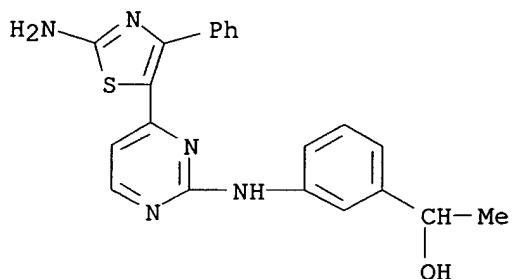
RN 509086-80-0 CAPLUS

CN Ethanone, 1-[3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, oxime (9CI) (CA INDEX NAME)



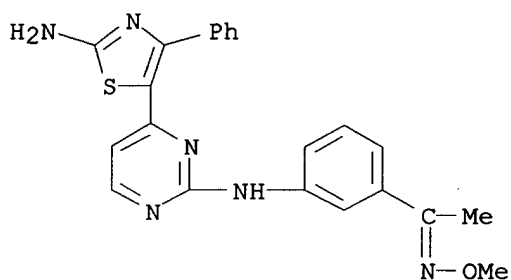
RN 509086-81-1 CAPLUS

CN Benzenemethanol, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- α -methyl- (9CI) (CA INDEX NAME)



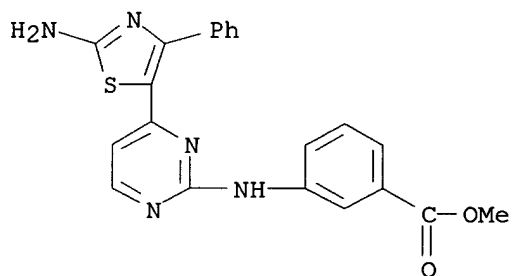
RN 509086-83-3 CAPLUS

CN Ethanone, 1-[3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, O-methyloxime (9CI) (CA INDEX NAME)



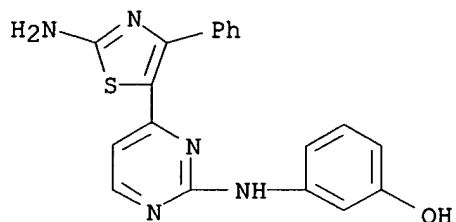
RN 509086-84-4 CAPLUS

CN Benzoic acid, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



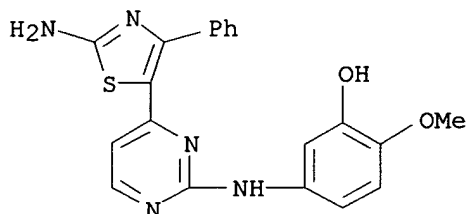
RN 509086-85-5 CAPLUS

CN Phenol, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



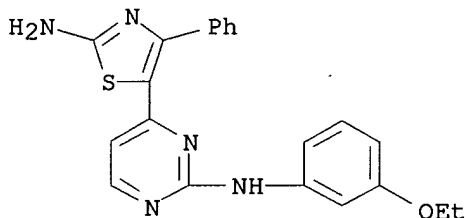
RN 509086-86-6 CAPLUS

CN Phenol, 5-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-methoxy- (9CI) (CA INDEX NAME)



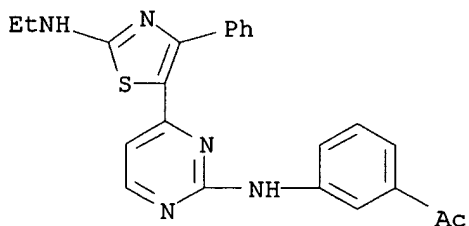
RN 509086-87-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(3-ethoxyphenyl)- (9CI) (CA INDEX NAME)



RN 509086-88-8 CAPLUS

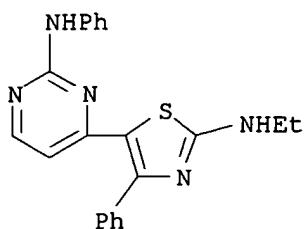
CN Ethanone, 1-[3-[[4-[2-(ethylamino)-4-phenyl-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



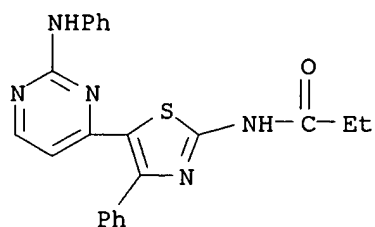
RN 509086-89-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-phenyl-5-thiazolyl]-N-phenyl- (9CI)

(CA INDEX NAME)

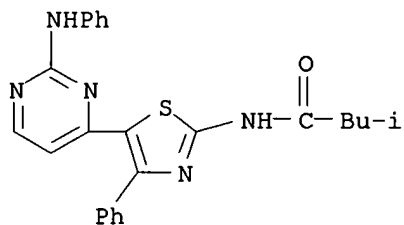


RN 509086-91-3 CAPLUS

CN Propanamide, N-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]-
(9CI) (CA INDEX NAME)

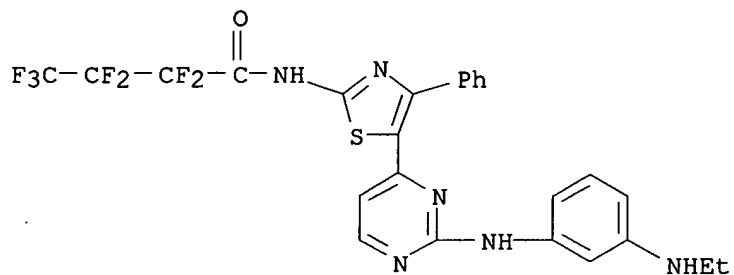
RN 509086-92-4 CAPLUS

CN Butanamide, 3-methyl-N-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



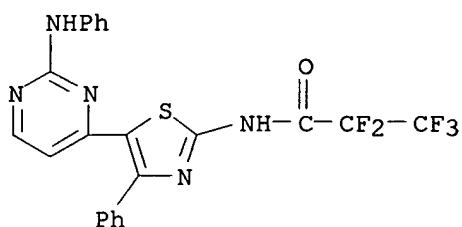
RN 509086-93-5 CAPLUS

CN Butanamide, N-[5-[2-[[3-(ethylamino)phenyl]amino]-4-pyrimidinyl]-4-phenyl-2-thiazolyl]-2,2,3,3,4,4,4-heptafluoro- (9CI) (CA INDEX NAME)



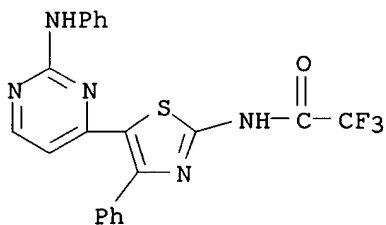
RN 509086-94-6 CAPLUS

CN Propanamide, 2,2,3,3,3-pentafluoro-N-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



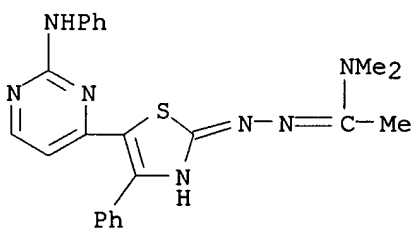
RN 509086-95-7 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



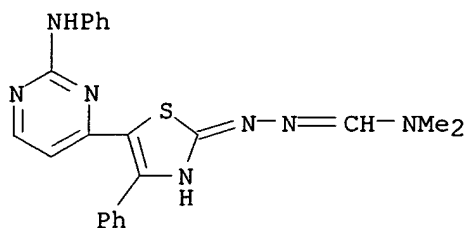
RN 509086-96-8 CAPLUS

CN Ethanehydrazonamide, N,N-dimethyl-N'-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



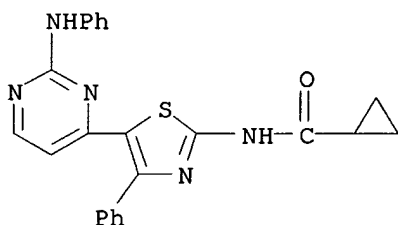
RN 509086-97-9 CAPLUS

CN Methanehydrazonamide, N,N-dimethyl-N'-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



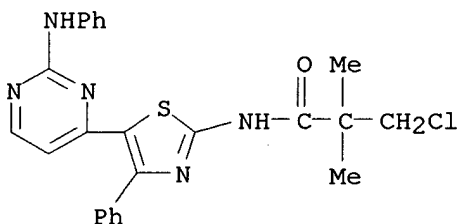
RN 509086-98-0 CAPLUS

CN Cyclopropanecarboxamide, N-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



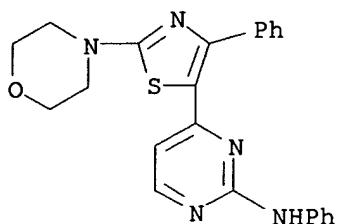
RN 509086-99-1 CAPLUS

CN Propanamide, 3-chloro-2,2-dimethyl-N-[4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



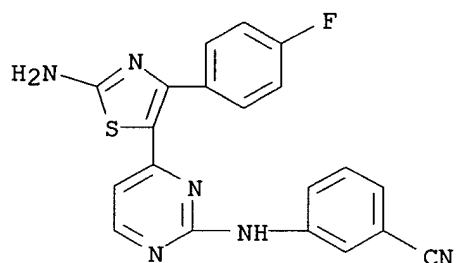
RN 509087-00-7 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(4-morpholinyl)-4-phenyl-5-thiazolyl]-N-phenyl- (9CI) (CA INDEX NAME)



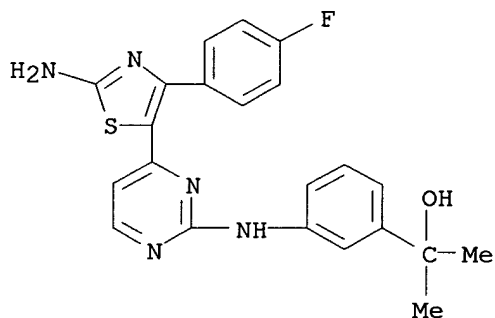
RN 509087-01-8 CAPLUS

CN Benzonitrile, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



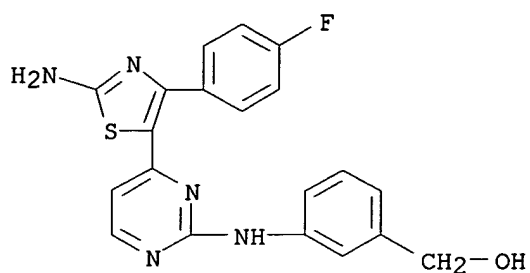
RN 509087-02-9 CAPLUS

CN Benzenemethanol, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]-α,α-dimethyl- (9CI) (CA INDEX NAME)



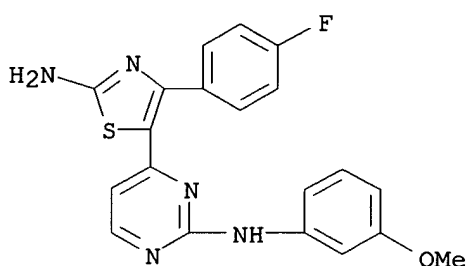
RN 509087-03-0 CAPLUS

CN Benzenemethanol, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



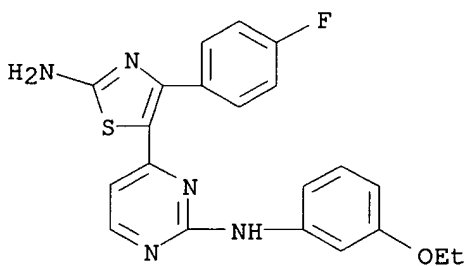
RN 509087-04-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



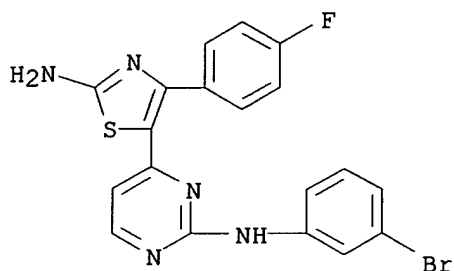
RN 509087-05-2 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-(3-ethoxyphenyl)- (9CI) (CA INDEX NAME)



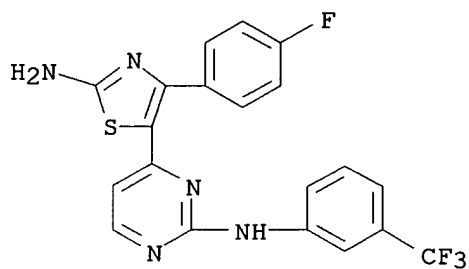
RN 509087-06-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-(3-bromophenyl)- (9CI) (CA INDEX NAME)



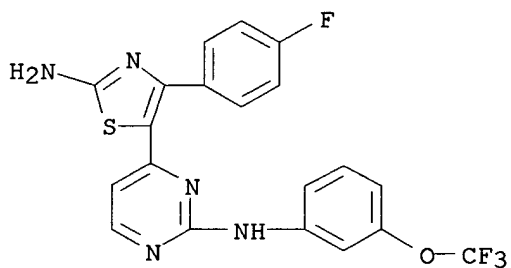
RN 509087-07-4 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



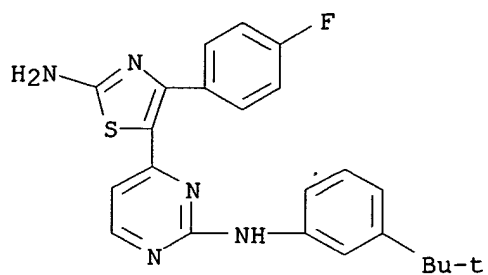
RN 509087-08-5 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-[3-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



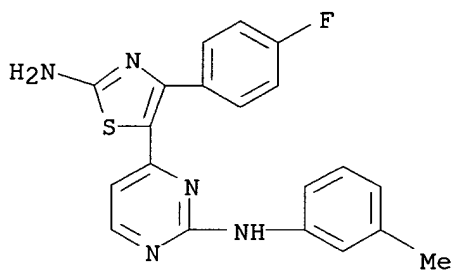
RN 509087-09-6 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-[3-(1,1-dimethylethyl)phenyl]- (9CI) (CA INDEX NAME)



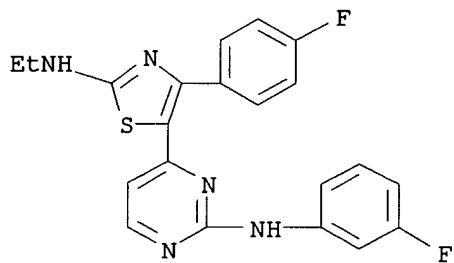
RN 509087-11-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-(3-methylphenyl)- (9CI) (CA INDEX NAME)



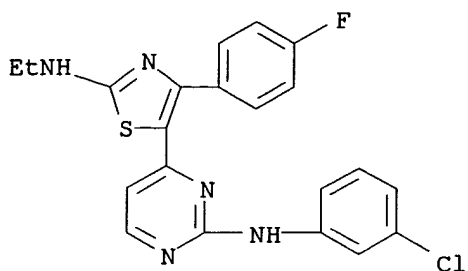
RN 509087-12-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-(4-fluorophenyl)-5-thiazolyl]-N-(3-fluorophenyl)- (9CI) (CA INDEX NAME)



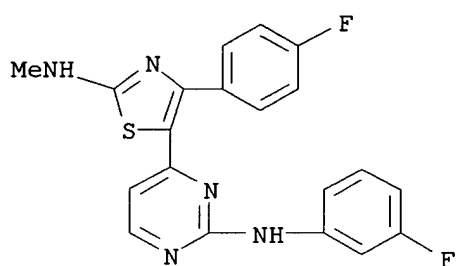
RN 509087-14-3 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[2-(ethylamino)-4-(4-fluorophenyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



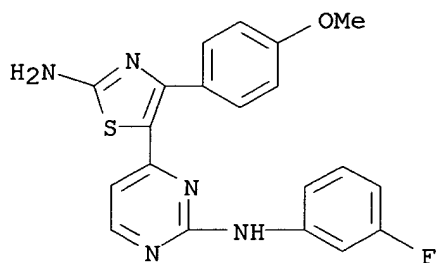
RN 509087-15-4 CAPLUS

CN 2-Pyrimidinamine, N-(3-fluorophenyl)-4-[4-(4-fluorophenyl)-2-(methylethylamino)-5-thiazolyl]-(9CI) (CA INDEX NAME)



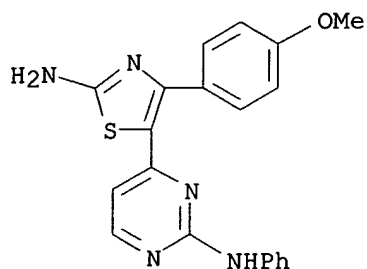
RN 509087-16-5 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-methoxyphenyl)-5-thiazolyl]-N-(3-fluorophenyl)-(9CI) (CA INDEX NAME)



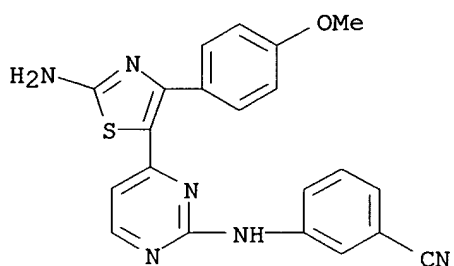
RN 509087-17-6 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-methoxyphenyl)-5-thiazolyl]-N-phenyl-(9CI) (CA INDEX NAME)



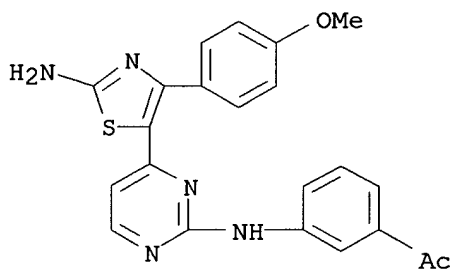
RN 509087-18-7 CAPLUS

CN Benzonitrile, 3-[[4-[2-amino-4-(4-methoxyphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



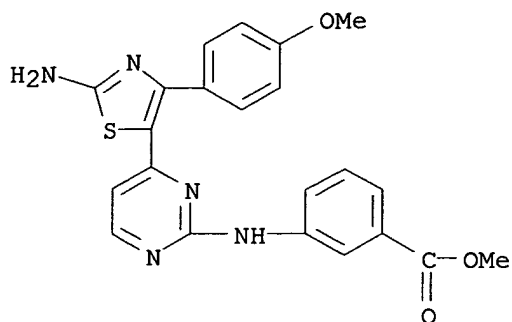
RN 509087-19-8 CAPLUS

CN Ethanone, 1-[3-[[4-[2-amino-4-(4-methoxyphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



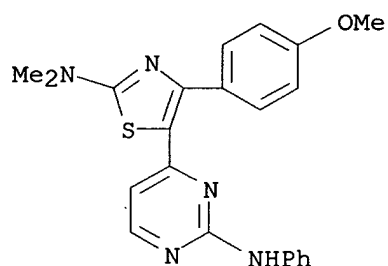
RN 509087-20-1 CAPLUS

CN Benzoic acid, 3-[[4-[2-amino-4-(4-methoxyphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



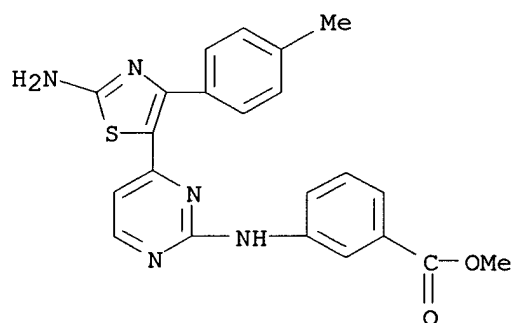
RN 509087-21-2 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(dimethylamino)-4-(4-methoxyphenyl)-5-thiazolyl]-N-phenyl- (9CI) (CA INDEX NAME)



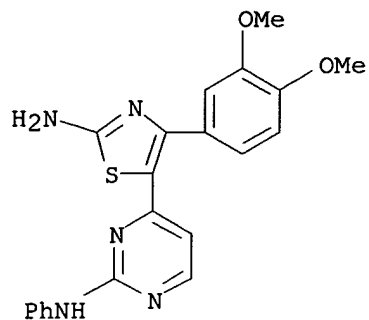
RN 509087-23-4 CAPLUS

CN Benzoic acid, 3-[[4-[2-amino-4-(4-methylphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



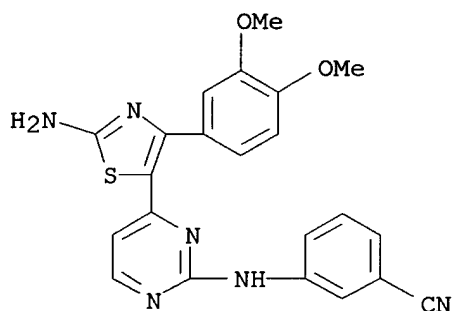
RN 509087-24-5 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(3,4-dimethoxyphenyl)-5-thiazolyl]-N-phenyl- (9CI) (CA INDEX NAME)



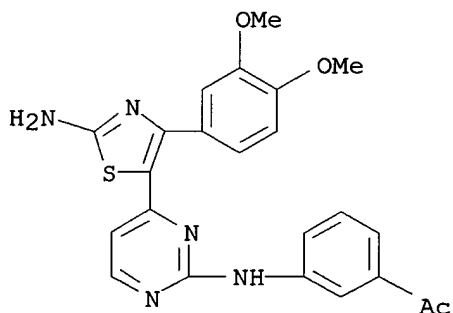
RN 509087-25-6 CAPLUS

CN Benzonitrile, 3-[[4-[2-amino-4-(3,4-dimethoxyphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



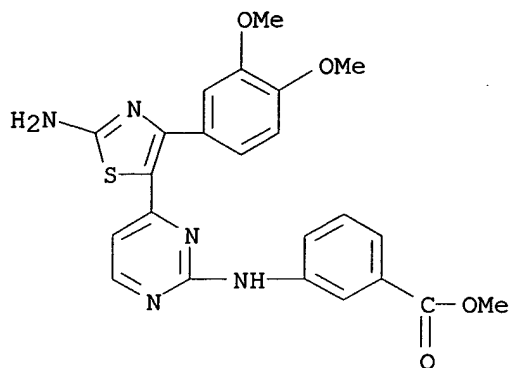
RN 509087-26-7 CAPLUS

CN Ethanone, 1-[3-[[4-[2-amino-4-(3,4-dimethoxyphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



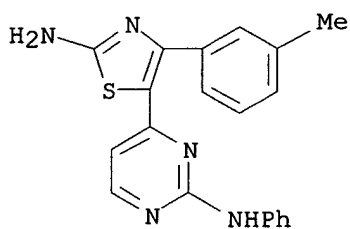
RN 509087-27-8 CAPLUS

CN Benzoic acid, 3-[[4-[2-amino-4-(3,4-dimethoxyphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



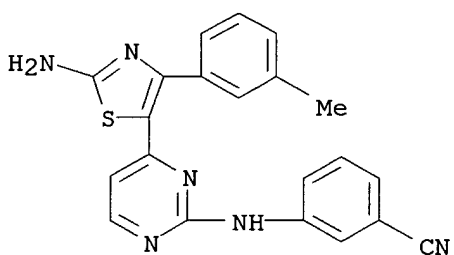
RN 509087-28-9 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(3-methylphenyl)-5-thiazolyl]-N-phenyl-
(9CI) (CA INDEX NAME)



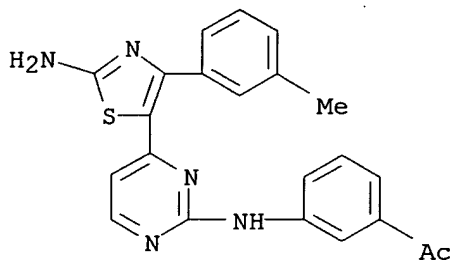
RN 509087-29-0 CAPLUS

CN Benzonitrile, 3-[[4-[2-amino-4-(3-methylphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



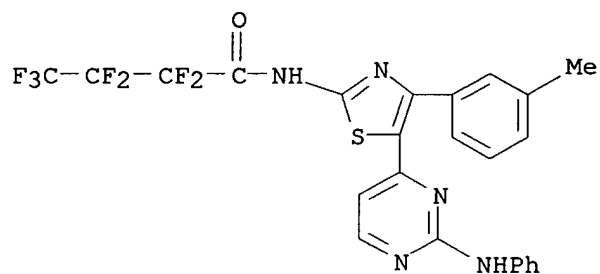
RN 509087-30-3 CAPLUS

CN Ethanone, 1-[3-[[4-[2-amino-4-(3-methylphenyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



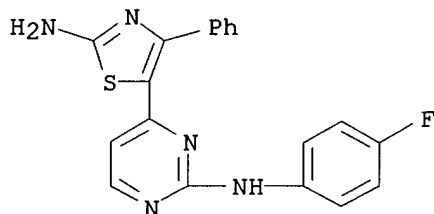
RN 509087-32-5 CAPLUS

CN Butanamide, 2,2,3,3,4,4,4-heptafluoro-N-[4-(3-methylphenyl)-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



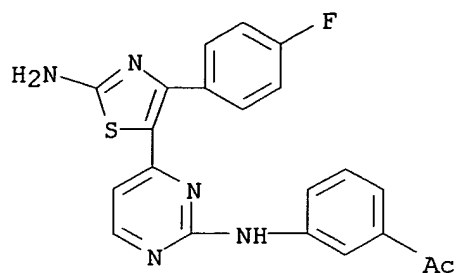
RN 509087-43-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



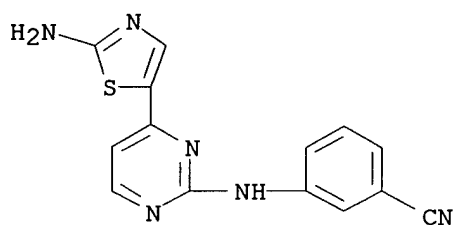
RN 509087-44-9 CAPLUS

CN Ethanone, 1-[3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



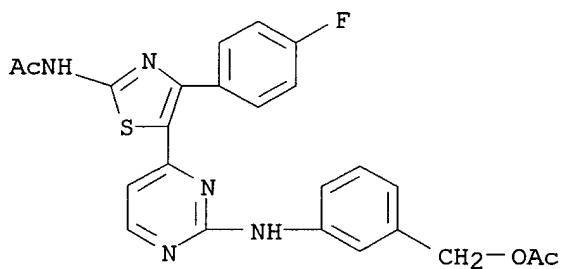
RN 509087-45-0 CAPLUS

CN Benzonitrile, 3-[[4-(2-amino-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



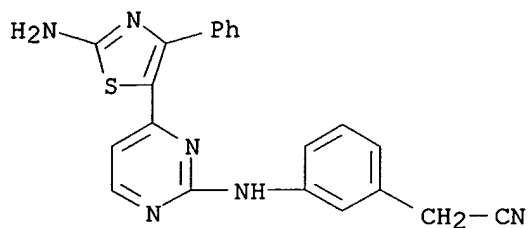
RN 509087-46-1 CAPLUS

CN Acetamide, N-[5-[2-[[3-[(acetyloxy)methyl]phenyl]amino]-4-pyrimidinyl]-4-(4-fluorophenyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



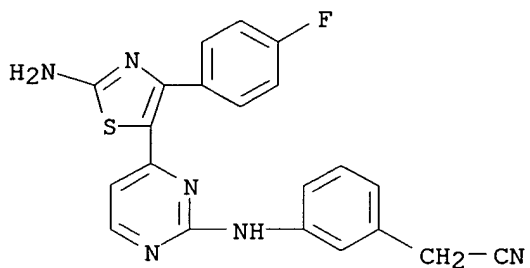
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CN Benzeneacetonitrile, 3-[[4-(2-amino-4-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



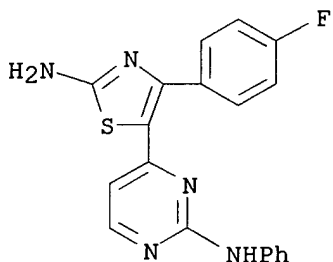
RN 509087-48-3 CAPLUS

CN Benzeneacetonitrile, 3-[[4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 509087-80-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-amino-4-(4-fluorophenyl)-5-thiazolyl]-N-phenyl- (9CI) (CA INDEX NAME)



IT 509087-34-7P 509087-38-1P 509087-39-2P

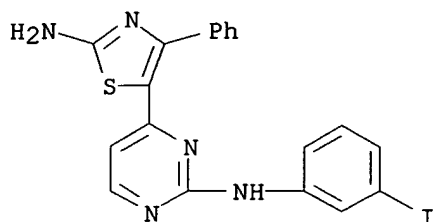
509087-40-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thiazolyl substituted aminopyrimidines as plant protection agents)

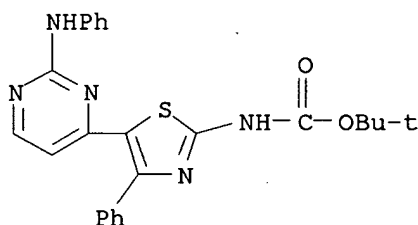
RN 509087-34-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-phenyl-5-thiazolyl)-N-(3-iodophenyl)- (9CI) (CA INDEX NAME)



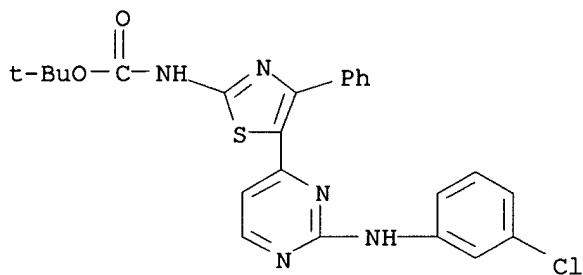
RN 509087-38-1 CAPLUS

CN Carbamic acid, [4-phenyl-5-[2-(phenylamino)-4-pyrimidinyl]-2-thiazolyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



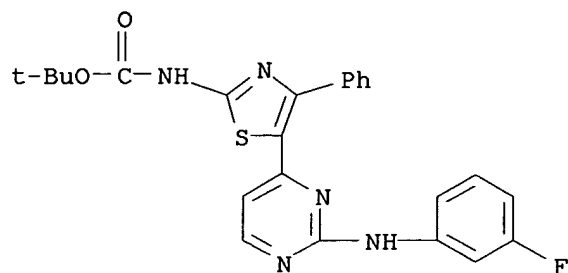
RN 509087-39-2 CAPLUS

CN Carbamic acid, [5-[2-[(3-chlorophenyl)amino]-4-pyrimidinyl]-4-phenyl-2-thiazolyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 509087-40-5 CAPLUS

CN Carbamic acid, [5-[2-[(3-fluorophenyl)amino]-4-pyrimidinyl]-4-phenyl-2-thiazolyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 22 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2003:282566 CAPLUS
 DN 138:304296
 TI Preparation of N-(4-(4-methylthiazol-5-yl)pyrimidin-2-yl)-N-phenylamines
 as specific cyclin-dependent kinase inhibitors useful as antitumor agents
 IN Wang, Shudong; Meades, Christopher; Wood, Gavin; Osnowski, Andrew;
 Fischer, Peter Martin
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 84 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

Appl.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|--|----------|-----------------|----------|
| PI | WO 2003029248 | A1 | 20030410 | WO 2002-GB4383 | 20020927 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | CA 2460909 | AA | 20030410 | CA 2002-2460909 | 20020927 |
| | EP 1430051 | A1 | 20040623 | EP 2002-762582 | 20020927 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | |
| | BR 2002012944 | A | 20041013 | BR 2002-12944 | 20020927 |
| | JP 2005508931 | T2 | 20050407 | JP 2003-532496 | 20020927 |
| | CN 1617870 | A | 20050518 | CN 2002-818729 | 20020927 |
| | NZ 531596 | A | 20050826 | NZ 2002-531596 | 20020927 |
| | US 2004259894 | A1 | 20041223 | US 2004-810767 | 20040326 |
| PRAI | GB 2001-23377 | A | 20010928 | | |
| | GB 2001-23629 | A | 20011002 | | |
| | WO 2002-GB4383 | W | 20020927 | | |

AB The present invention relates to sixty-two 2-substituted 4-heteroaryl-pyrimidines, their preparation, pharmaceutical compns. containing them

and their use as inhibitors of cyclin-dependent kinases (CDKs) and hence their use in the treatment of proliferative disorders such as cancer, leukemia, psoriasis and the like. 72-H MTT in vitro cytotoxicity and CDK2/E and CDK4/D1 inhibition IC50 values are reported for most of the 62 claimed compds. Kinase specificity for N4-[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]-N1,N1-dimethyl-2-nitrobenzene-1,4-diamine and 2-[N-(4-N,N-Dimethylamino-3-chlorophenyl)]-4-(2,4-dimethylthiazol-5-yl)pyrimidinamine was tested for 16 kinases. In vitro antiproliferative activity of [4-(2-amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-iodophenyl)amine, 2-[4-[4-(2-amino-4-methylthiazol-5-yl)pyrimidin-2-ylamino]phenyl]ethanol and [4-(2-amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-bromophenyl)amine are tabulated for 26 cell lines. Although the methods of preparation are not claimed, 18 example preps. and characterization data for .apprx.60 compds. are included.

IT **364334-88-3P**, N-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-N',N'-dimethylbenzene-1,4-diamine **507487-89-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine

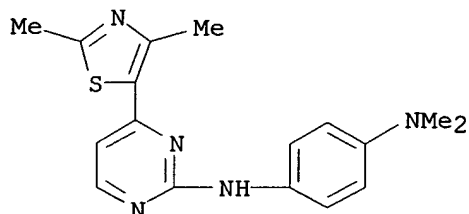
507488-00-8P, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-fluorophenyl)amine

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of N-thiazolpyrimidinyl-N-phenylamines as specific cyclin-dependent kinase inhibitors useful as antitumor agents)

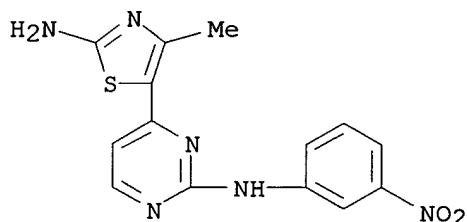
RN 364334-88-3 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



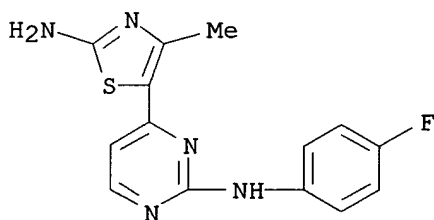
RN 507487-89-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 507488-00-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



IT **507487-91-4P**, N-[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]-N',N'-dimethylbenzene-1,4-diamine **507487-92-5P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-chlorophenyl)amine **507487-93-6P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-methoxyphenyl)amine **507487-94-7P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-fluorophenyl)amine **507487-95-8P**,

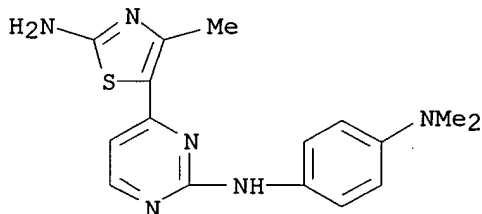
[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-trifluoromethylphenyl)amine **507487-96-9P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methoxyphenyl)amine **507487-97-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-chlorophenyl)amine **507487-98-1P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-iodophenyl)amine **507487-99-2P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-iodophenyl)amine **507488-01-9P**, 3-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]phenol **507488-02-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-iodo-3-nitrophenyl)amine **507488-03-1P**, 2-[4-[[4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]ethanol **507488-04-2P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-bromophenyl)amine **507488-05-3P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-bromophenyl)amine **507488-06-4P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-chloro-3-trifluoromethylphenyl)amine **507488-08-6P** **507488-09-7P**, 2-[4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl]ethanol **507488-10-0P**, 2-[4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]phenyl](ethyl)amino]ethanol **507488-11-1P**, (3,4-Dimethoxyphenyl)[4-(2,4-dimethylthiazol-5-yl)pyrimidin-2-yl]amine **507488-12-2P**, 5-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]-2-methoxyphenol **507488-13-3P**, N4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-N1,N1-dimethyl-2-nitrobenzene-1,4-diamine **507488-14-4P** **507488-15-5P**, N4-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-N1,N1-dimethyl-2-trifluoromethylbenzene-1,4-diamine **507488-16-6P**, N1-[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]-4-methoxy-N3,N3-dimethylbenzene-1,3-diamine **507488-17-7P**, N,N-Dimethyl-N'-[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]benzene-1,4-diamine **507488-18-8P**, (4-Iodo-3-nitrophenyl)[4-(4-methyl-2-methylaminothiazol-5-yl)pyrimidin-2-yl]amine **507488-19-9P**, 4-[[4-(2-Methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]phenol **507488-21-3P**, [4-(2-Methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **507488-22-4P**, (4-Iodophenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-23-5P**, (4-Fluorophenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-24-6P**, (4-Chlorophenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-25-7P**, [4-(2-Methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methoxyphenyl)amine **507488-26-8P**, 3-[[4-(2-Methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amino]phenol **507488-27-9P**, (4-Fluoro-3-nitrophenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-28-0P**, (4-Chloro-3-methylphenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-29-1P**, (3-Iodo-4-methylphenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-30-4P**, (4-Fluoro-3-methylphenyl)[4-(2-methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-31-5P**, [4-(2-Methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methyl-3-nitrophenyl)amine **507488-32-6P**, N-[4-(2-Methoxy-4-methylthiazol-5-yl)pyrimidin-2-yl]-N',N'-dimethylbenzene-1,4-diamine **507488-33-7P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-nitrophenyl)amine **507488-35-9P**, (4-Chlorophenyl)[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-36-0P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-trifluoromethylphenyl)amine **507488-37-1P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](3-methoxyphenyl)amine **507488-38-2P**, (3-Chlorophenyl)[4-(2-ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-39-3P**, [4-(2-Ethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl](4-methyl-3-

nitrophenyl)amine **507488-40-6P**, [4-(2-Butylamino-4-methylthiazol-5-yl)pyrimidin-2-yl] (4-fluorophenyl)amine **507488-42-8P**, [4-(2-Dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl] (3-nitrophenyl)amine **507488-44-0P**, (4-Chlorophenyl) [4-(2-dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-45-1P**, [4-(2-Dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl] (4-fluorophenyl)amine **507488-46-2P**, (3-Chlorophenyl) [4-(2-dimethylamino-4-methylthiazol-5-yl)pyrimidin-2-yl]amine **507488-47-3P**, N-[4-Methyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]thiazol-2-yl]methanesulfonamide **507488-48-4P**, 2-[[4-Methyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]thiazol-2-yl]amino]ethanol **507488-49-5P**, 2-[[5-[2-(4-Fluorophenylamino)pyrimidin-4-yl]-4-methylthiazol-2-yl]amino]ethanol **507488-50-8P**, 2-Chloro-N-[4-methyl-5-[2-(3-nitrophenylamino)pyrimidin-4-yl]thiazol-2-yl]acetamide **507488-51-9P**, 2-Chloro-N-[5-[2-(4-fluorophenylamino)pyrimidin-4-yl]-4-methylthiazol-2-yl]acetamide **507488-52-0P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl] (4-nitrophenyl)amine **507488-53-1P**, [4-(2-Amino-4-methylthiazol-5-yl)pyrimidin-2-yl] (phenyl)amine **507488-55-3P**, 4-[[4-(2,4-Dimethylthiazol-5-yl)pyrimidin-2-yl]amino]benzenesulfonic acid
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of N-thiazolpyrimidinyl-N-phenylamines as specific cyclin-dependent kinase inhibitors useful as antitumor agents)

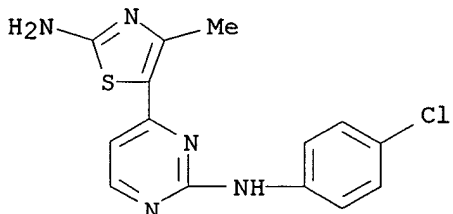
RN 507487-91-4 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 507487-92-5 CAPLUS

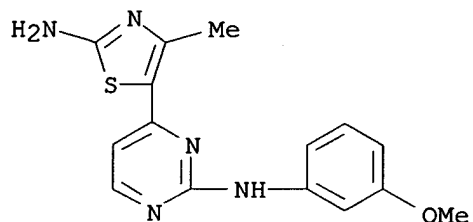
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-chlorophenyl)- (9CI) (CA INDEX NAME)



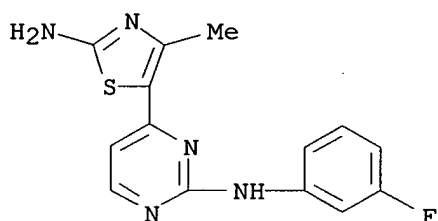
RN 507487-93-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-methoxyphenyl)-

(9CI) (CA INDEX NAME)

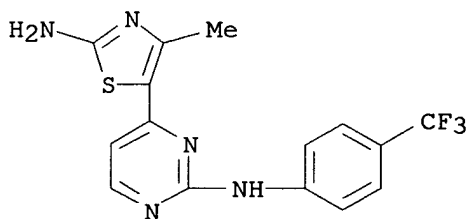


RN 507487-94-7 CAPLUS

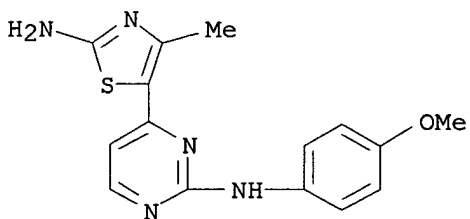
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-fluorophenyl)-
(9CI) (CA INDEX NAME)

RN 507487-95-8 CAPLUS

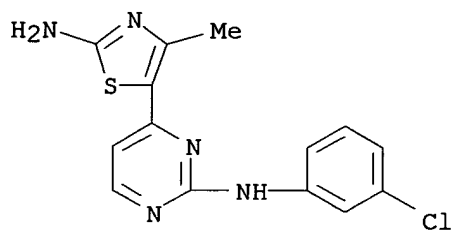
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



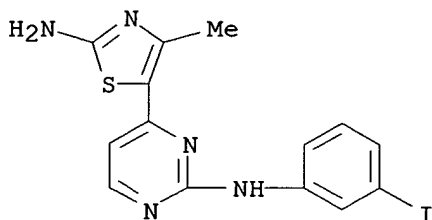
RN 507487-96-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-methoxyphenyl)-
(9CI) (CA INDEX NAME)

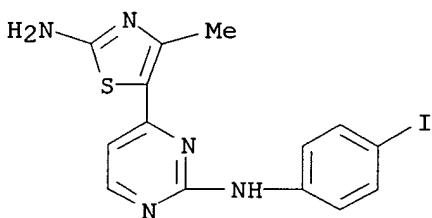
RN 507487-97-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-chlorophenyl)-
(9CI) (CA INDEX NAME)

RN 507487-98-1 CAPLUS

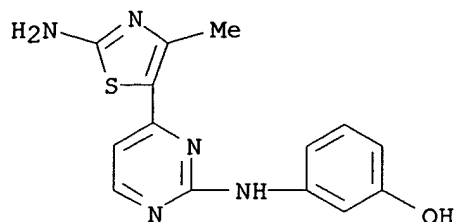
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-iodophenyl)- (9CI)
(CA INDEX NAME)

RN 507487-99-2 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-iodophenyl)- (9CI)
(CA INDEX NAME)

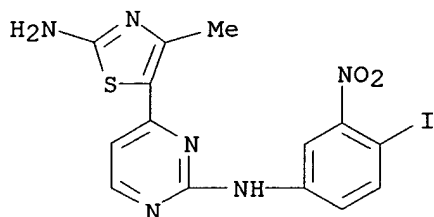
RN 507488-01-9 CAPLUS

CN Phenol, 3-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)



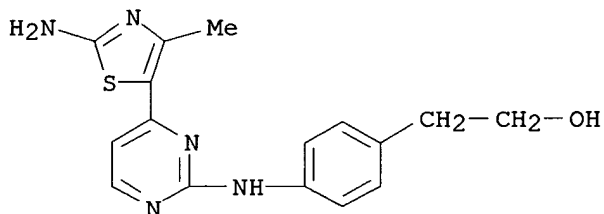
RN 507488-02-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-iodo-3-nitrophenyl)- (9CI) (CA INDEX NAME)



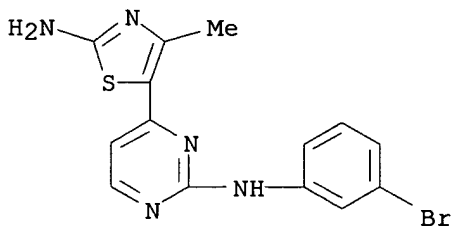
RN 507488-03-1 CAPLUS

CN Benzeneethanol, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 507488-04-2 CAPLUS

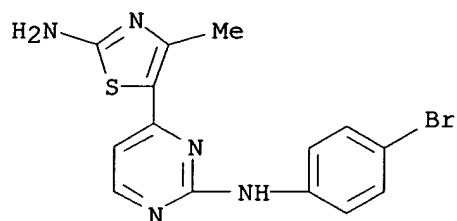
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(3-bromophenyl)- (9CI) (CA INDEX NAME)



RN 507488-05-3 CAPLUS

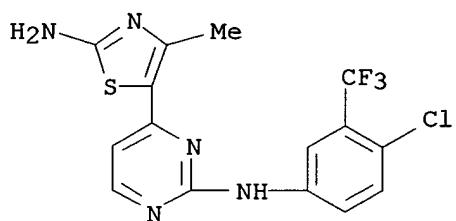
CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-bromophenyl)-

(9CI) (CA INDEX NAME)



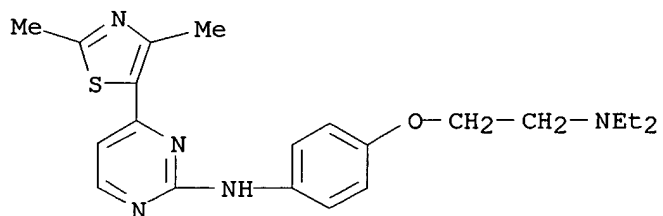
RN 507488-06-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



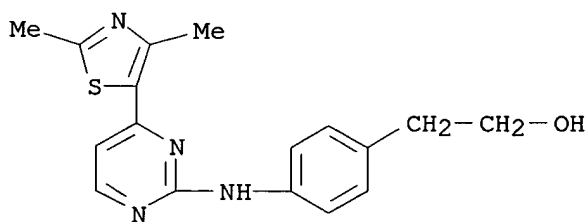
RN 507488-08-6 CAPLUS

CN 2-Pyrimidinamine, N-[4-(2-(diethylamino)ethoxy)phenyl]-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



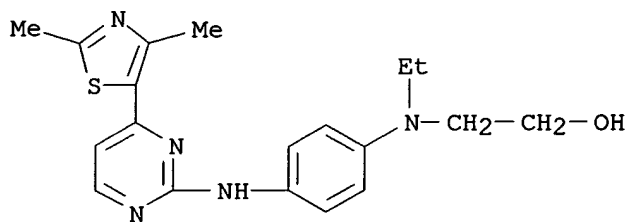
RN 507488-09-7 CAPLUS

CN Benzeneethanol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



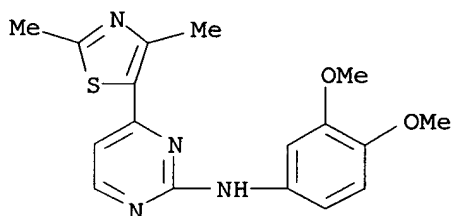
RN 507488-10-0 CAPLUS

CN Ethanol, 2-[[4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]ethylamino]- (9CI) (CA INDEX NAME)



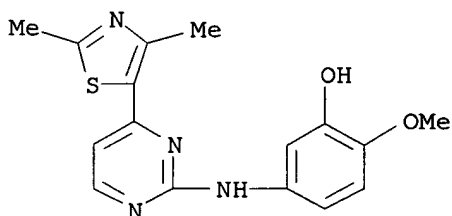
RN 507488-11-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-dimethoxyphenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



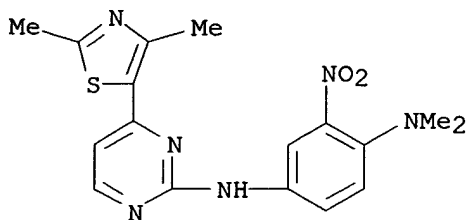
RN 507488-12-2 CAPLUS

CN Phenol, 5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-methoxy- (9CI) (CA INDEX NAME)



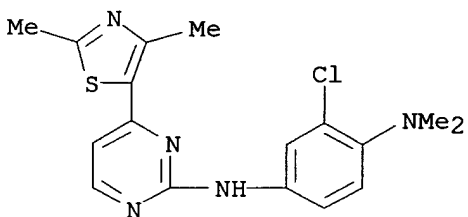
RN 507488-13-3 CAPLUS

CN 1,4-Benzenediamine, N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



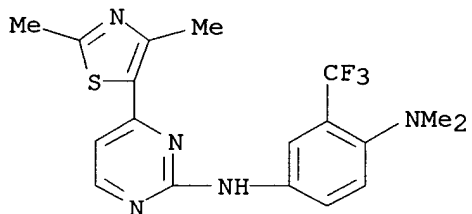
RN 507488-14-4 CAPLUS

CN 1,4-Benzenediamine, 2-chloro-N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl- (9CI) (CA INDEX NAME)



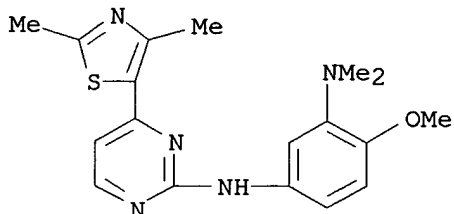
RN 507488-15-5 CAPLUS

CN 1,4-Benzenediamine, N4-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N1,N1-dimethyl-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 507488-16-6 CAPLUS

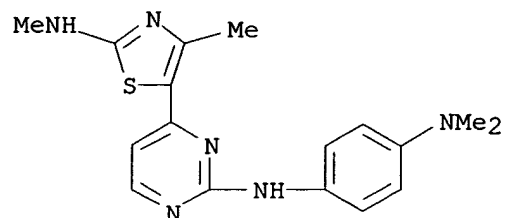
CN 1,3-Benzenediamine, N1-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-4-methoxy-N3,N3-dimethyl- (9CI) (CA INDEX NAME)



RN 507488-17-7 CAPLUS

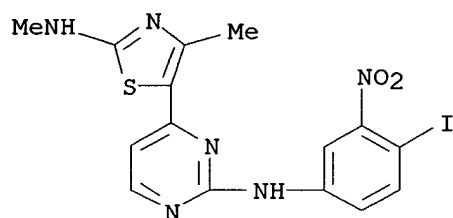
CN 1,4-Benzenediamine, N,N-dimethyl-N'-[4-[4-methyl-2-(methylamino)-5-

thiazolyl]-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



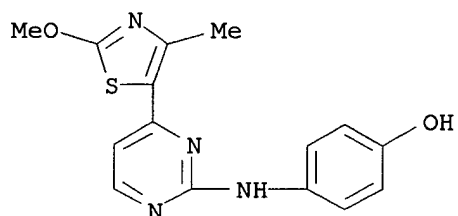
RN 507488-18-8 CAPLUS

CN 2-Pyrimidinamine, N-(4-iodo-3-nitrophenyl)-4-[4-methyl-2-(methyamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



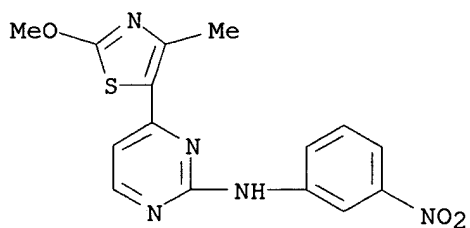
RN 507488-19-9 CAPLUS

CN Phenol, 4-[[4-(2-methoxy-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

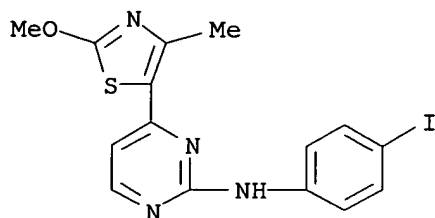


RN 507488-21-3 CAPLUS

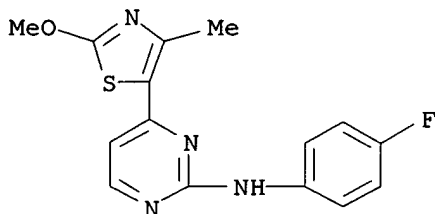
CN 2-Pyrimidinamine, 4-(2-methoxy-4-methyl-5-thiazolyl)-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



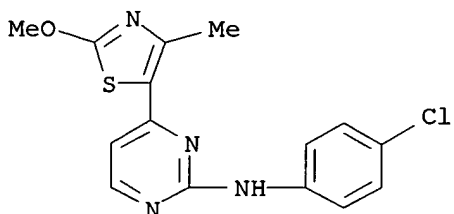
RN 507488-22-4 CAPLUS

CN 2-Pyrimidinamine, N-(4-iodophenyl)-4-(2-methoxy-4-methyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)

RN 507488-23-5 CAPLUS

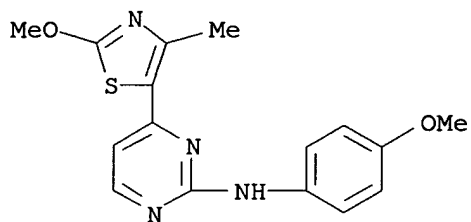
CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-(2-methoxy-4-methyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)

RN 507488-24-6 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(2-methoxy-4-methyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)

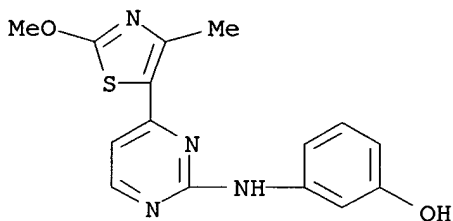
RN 507488-25-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2-methoxy-4-methyl-5-thiazolyl)-N-(4-methoxyphenyl)-
(9CI) (CA INDEX NAME)



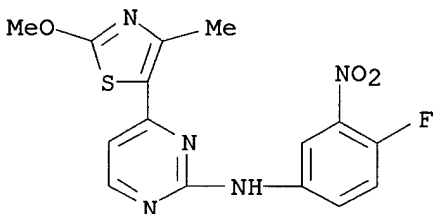
RN 507488-26-8 CAPLUS

CN Phenol, 3-[[4-(2-methoxy-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)



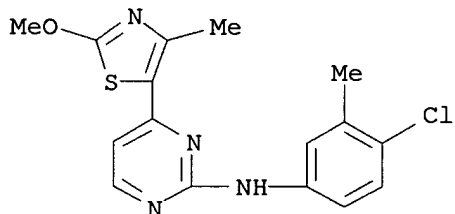
RN 507488-27-9 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluoro-3-nitrophenyl)-4-(2-methoxy-4-methyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



RN 507488-28-0 CAPLUS

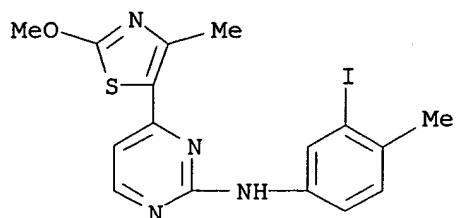
CN 2-Pyrimidinamine, N-(4-chloro-3-methylphenyl)-4-(2-methoxy-4-methyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



RN 507488-29-1 CAPLUS

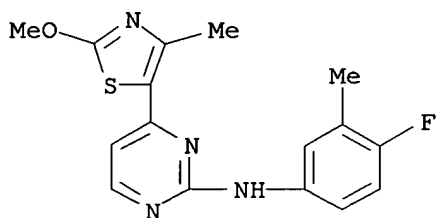
CN 2-Pyrimidinamine, N-(3-iodo-4-methylphenyl)-4-(2-methoxy-4-methyl-5-

thiazolyl)- (9CI) (CA INDEX NAME)



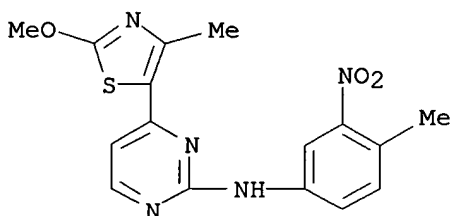
RN 507488-30-4 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluoro-3-methylphenyl)-4-(2-methoxy-4-methyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



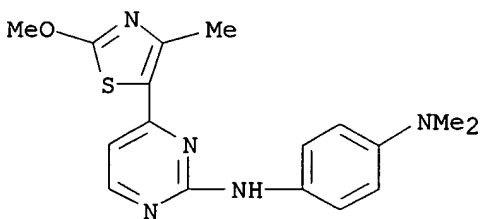
RN 507488-31-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2-methoxy-4-methyl-5-thiazolyl)-N-(4-methyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)



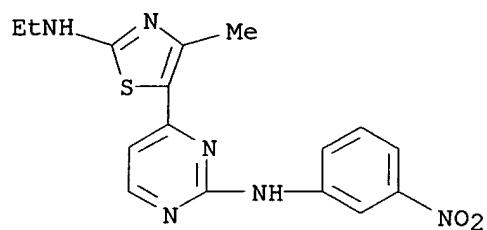
RN 507488-32-6 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2-methoxy-4-methyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



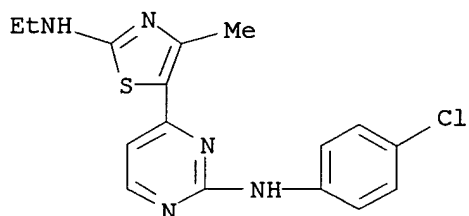
RN 507488-33-7 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



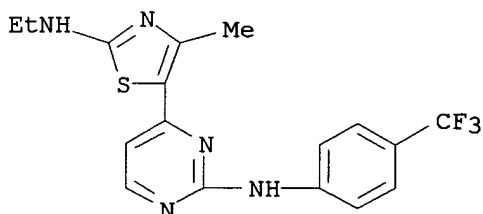
RN 507488-35-9 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



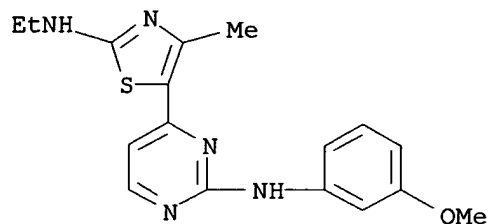
RN 507488-36-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



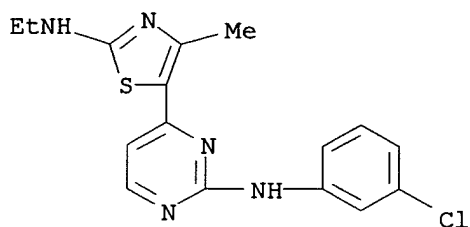
RN 507488-37-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



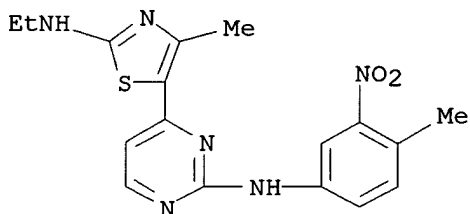
RN 507488-38-2 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[2-(ethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



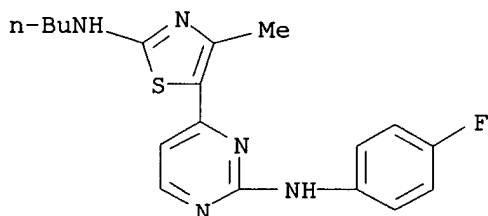
RN 507488-39-3 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(4-methyl-3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 507488-40-6 CAPLUS

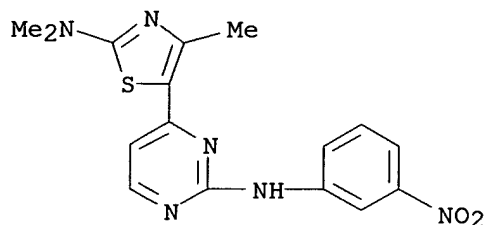
CN 2-Pyrimidinamine, 4-[2-(butylamino)-4-methyl-5-thiazolyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 507488-42-8 CAPLUS

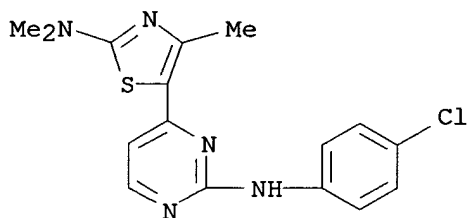
CN 2-Pyrimidinamine, 4-[2-(dimethylamino)-4-methyl-5-thiazolyl]-N-(3-

nitrophenyl)- (9CI) (CA INDEX NAME)



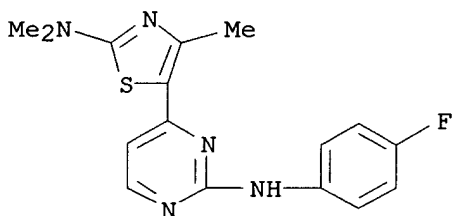
RN 507488-44-0 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-[2-(dimethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



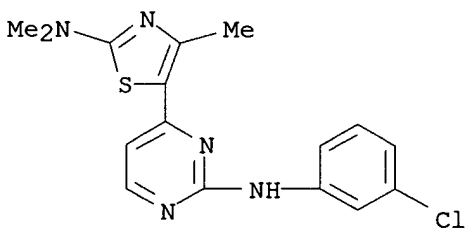
RN 507488-45-1 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(dimethylamino)-4-methyl-5-thiazolyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



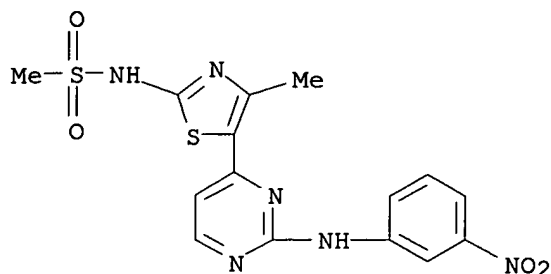
RN 507488-46-2 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[2-(dimethylamino)-4-methyl-5-thiazolyl]- (9CI) (CA INDEX NAME)



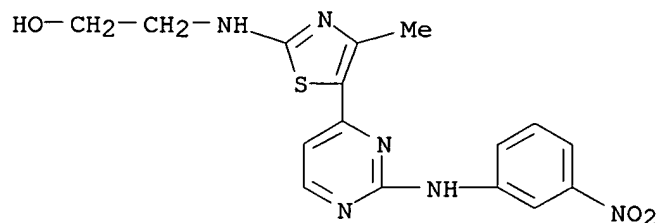
RN 507488-47-3 CAPLUS

CN Methanesulfonamide, N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



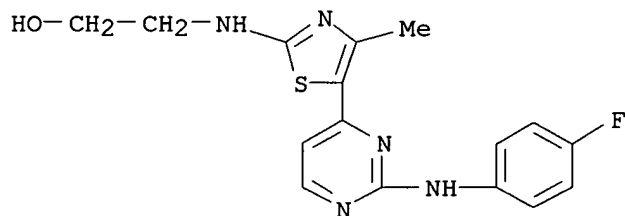
RN 507488-48-4 CAPLUS

CN Ethanol, 2-[[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]amino]- (9CI) (CA INDEX NAME)



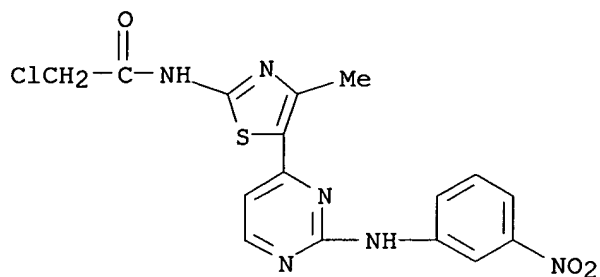
RN 507488-49-5 CAPLUS

CN Ethanol, 2-[[5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]amino]- (9CI) (CA INDEX NAME)



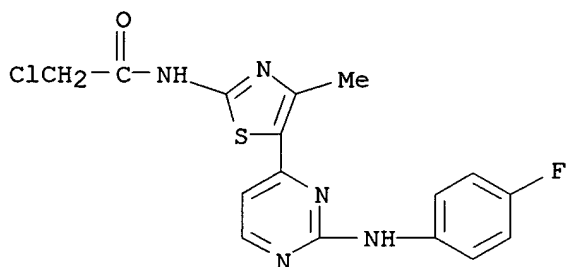
RN 507488-50-8 CAPLUS

CN Acetamide, 2-chloro-N-[4-methyl-5-[2-[(3-nitrophenyl)amino]-4-pyrimidinyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



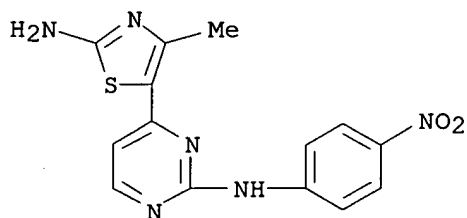
RN 507488-51-9 CAPLUS

CN Acetamide, 2-chloro-N-[5-[2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



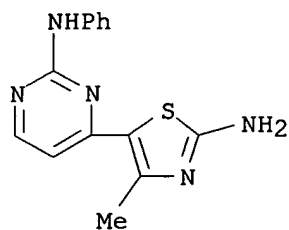
RN 507488-52-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



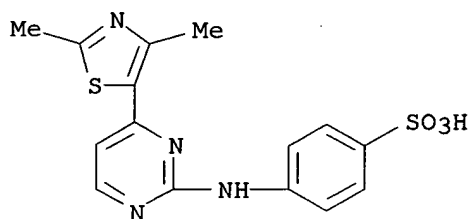
RN 507488-53-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2-amino-4-methyl-5-thiazolyl)-N-phenyl- (9CI) (CA INDEX NAME)



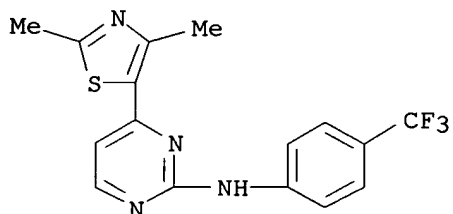
RN 507488-55-3 CAPLUS

CN Benzenesulfonic acid, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

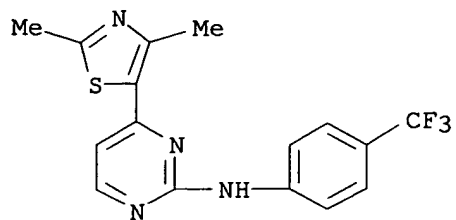


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2003:273687 CAPLUS
 DN 139:127415
 TI Discovery of a Novel Family of CDK Inhibitors with the Program LIDAEUS
 Structural Basis for Ligand-Induced Disordering of the Activation Loop
 AU Wu, Su Ying; McNae, Iain; Kontopidis, George; McClue, Steven J.; McInnes,
 Campbell; Stewart, Kevin J.; Wang, Shudong; Zheleva, Daniella I.;
 Marriage, Howard; Lane, David P.; Taylor, Paul; Fischer, Peter M.;
 Walkinshaw, Malcolm D.
 CS Structural Biochemistry Group, The University of Edinburgh, Edinburgh, EH9
 3JR, UK
 SO Structure (Cambridge, MA, United States) (2003), 11(4), 399-410
 CODEN: STRUE6; ISSN: 0969-2126
 PB Cell Press
 DT Journal
 LA English
 OS CASREACT 139:127415
 AB A family of 4-heteroaryl-2-amino-pyrimidine CDK2 inhibitor lead compds.
 was discovered with the new database-mining program LIDAEUS through in
 silico screening. Four compds. with IC50 values ranging from 17 to 0.9
 µM were selected for x-ray crystal anal. Two distinct binding modes
 are observed, one of which resembles the hydrogen bonding pattern of bound
 ATP. In the second binding mode, the ligands trigger a conformational
 change in the activation T loop by inducing movement of Lys33 and Asp145
 side chains. The family of mols. discovered provides an excellent
 starting point for the design and synthesis of tight binding inhibitors,
 which may lead to a new class of antiproliferative drugs.
 IT **364333-96-0**
 RL: BSU (Biological study, unclassified); DMA (Drug mechanism of action);
 PRP (Properties); BIOL (Biological study)
 (CDK inhibitors discovery using LIDAEUS program detailing structural
 basis for ligand-induced disordering of activation loop)
 RN 364333-96-0 CAPLUS
 CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-
 (trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



IT **364333-96-0D**, complexed with CDK2
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (CDK inhibitors discovery using LIDAEUS program detailing structural
 basis for ligand-induced disordering of activation loop)
 RN 364333-96-0 CAPLUS
 CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-
 (trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 24 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2003:117808 CAPLUS
 DN 138:170248
 TI Preparation of 4-(thiazolyl)-2-pyrimidinamines as tyrosine kinase inhibitors
 IN Fraley, Mark E.; Hoffman, William F.; Hartman, George D.
 PA Merck & Co., Inc., USA
 SO PCT Int. Appl., 97 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|--|----------|-----------------|----------|
| PI | WO 2003011838 | A1 | 20030213 | WO 2002-US23882 | 20020727 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | US 2004181066 | A1 | 20040916 | US 2004-485291 | 20040129 |
| PRAI | US 2001-309407P | P | 20010801 | | |
| | WO 2002-US23882 | W | 20020727 | | |
| OS | MARPAT 138:170248 | | | | |

AB The present invention relates to title compds. I [wherein R1a = H, (un)substituted alkyl, OR8, or N(R8)2; R1 and R2 = independently H, halo, CF3, (CH2)tR9COR8, COR9, (CH2)tOR8, CN, (CH2)tNR7R8, (CH2)CONR7R8, CO2R8, (CH2)tSOO-2(CH2)tNR7R8, or (un)substituted (cyclo)alkyl, aryl, heterocyclyl, alkenyl, or alkynyl; R3 = H, CN, halo, N(R8)2, OR8, or (un)substituted (ar)alkyl or aryl; R7 = H or (un)substituted (ar)alkyl; R8 = independently H or (un)substituted (cyclo)alkyl, aryl, heterocyclyl, or aralkyl; or NR7R8 = (un)substituted heterocyclyl; R9 = independently (un)substituted alkyl, heterocyclyl, or aryl; W = aryl or heterocyclyl; m = 0-2; n = independently 0-6; p = 0-4; t = independently 0-6; or pharmaceutically acceptable salts, hydrates, or stereoisomers thereof], which inhibit, regulate and/or modulate tyrosine kinase signal transduction, compns. which contain these compds., and methods of using them to treat tyrosine kinase-dependent diseases and conditions. For example, cyclization of 2-bromo-1-[2-(methylthio)pyrimidin-4-yl]ethanone (3-step preparation given) with thiourea in EtOH gave 5-bromo-4-[2-(methylthio)pyrimidin-4-yl]-1,3-thiazol-2-amine•HBr. Oxidation to the methylsulfinyl derivative using oxone followed by substitution with 3,5-dimethylaniline afforded II. In bioassays, I inhibited VEGF-stimulated mitogenesis of human vascular endothelial cells in culture with IC values between 0.01 M and 5.0 M. Thus, I are useful for the treatment of angiogenesis, cancer, tumor growth, atherosclerosis, age related macular degeneration, diabetic retinopathy, inflammatory diseases, and the like in mammals (no data).

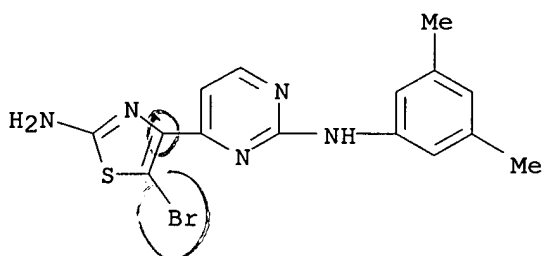
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2-Amino-4-[2-[(3,5-dimethylphenyl)amino]pyrimidin-4-yl]-1,3-thiazole-5-carbonitrile **496914-06-8P**, 4-[2-[(3,5-Dimethylphenyl)amino]pyrimidin-4-yl]-1,3-thiazole-5-carbonitrile
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(tyrosine kinase inhibitor; preparation of (thiazolyl)pyrimidinamine tyrosine kinase inhibitors by reacting (methylsulfinyl)- or (methylsulfonyl)(thiazolyl)pyrimidines with amines)

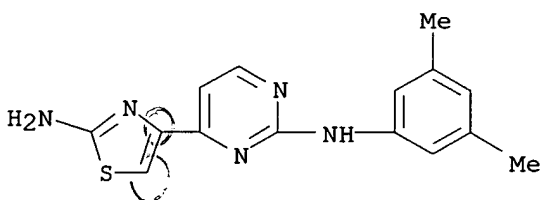
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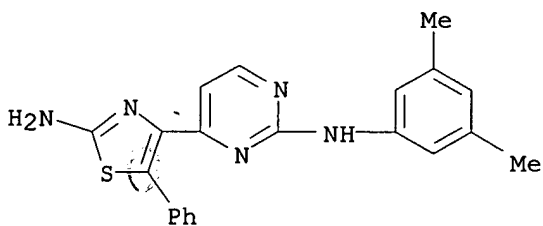
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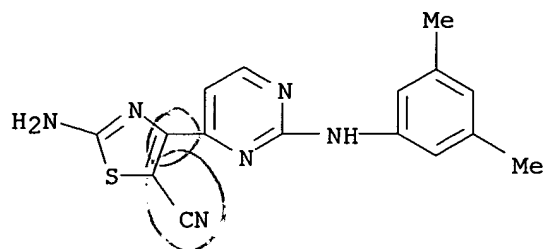
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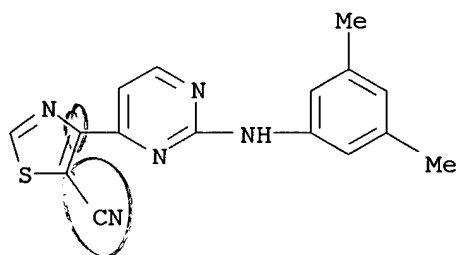
RN 496913-96-3 CAPLUS

CN 5-Thiazolecarbonitrile, 2-amino-4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 496914-06-8 CAPLUS

CN 5-Thiazolecarbonitrile, 4-[2-[(3,5-dimethylphenyl)amino]-4-pyrimidinyl]-
(9CI) (CA INDEX NAME)



RE.CNT 1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2002:927427 CAPLUS
 DN 138:14054
 TI Preparation of thiazole compounds as inhibitors of protein kinases
 IN Cochran, John; Nanthakumar, Suganthini; Harrington, Edmund; Wang, Jian
 PA Vertex Pharmaceuticals Incorporated, USA
 SO PCT Int. Appl., 75 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2002096905 | A1 | 20021205 | WO 2002-US16352 | 20020523 |
| | WO 2002096905 | C1 | 20050728 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW | | | |
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| | CA 2446756 | AA | 20021205 | CA 2002-2446756 | 20020523 |
| | US 2003119856 | A1 | 20030626 | US 2002-154118 | 20020523 |
| | US 6762179 | B2 | 20040713 | | |
| | EP 1392684 | A1 | 20040303 | EP 2002-737123 | 20020523 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| | JP 2006516110 | T2 | 20060622 | JP 2003-500084 | 20020523 |
| | US 2005004152 | A1 | 20050106 | US 2004-891912 | 20040713 |
| PRAI | US 2001-295158P | P | 20010601 | | |
| | US 2002-154118 | A3 | 20020523 | | |
| | WO 2002-US16352 | W | 20020523 | | |

OS MARPAT 138:14054

AB Thiazole compds. [I; wherein R1 = H, (substituted) (C1-C6)alkyl, CN, halogen, NO2, (substituted) (C1-C4)alkylidene; Ar1 = (substituted) 3-8 membered monocyclic or 8-10 membered bicyclic saturated, partially saturated,

or

aryl ring, 3-7 membered heterocyclic ring, 5-6 membered monocyclic or 8-10 membered bicyclic heteroaryl ring] were prepared For example, (II) was prepared in three steps from 2-acetylthiazole. These compds. are inhibitors of protein kinases, particularly inhibitors of GSK3, Aurora2, and Syk mammalian protein kinases. For example, compound II showed IC50 ≤ 0.5 μM against Syk mammalian protein kinase.

IT 477769-08-7P 477769-09-8P 477769-10-1P
 477769-11-2P 477769-12-3P 477769-13-4P
 477769-14-5P 477769-15-6P 477769-16-7P
 477769-17-8P 477769-18-9P 477769-19-0P
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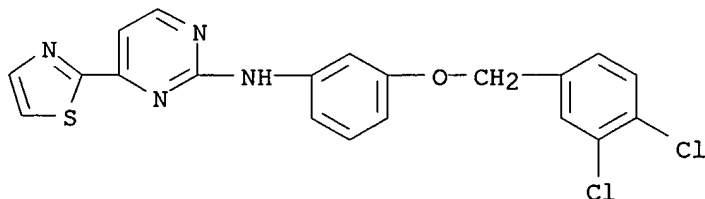
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 (Uses)

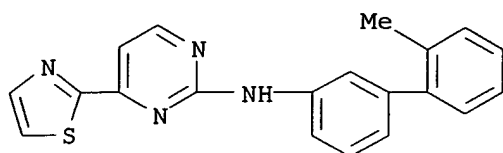
(preparation of thiazole compds. as inhibitors of protein kinases)

RN 477769-08-7 CAPLUS

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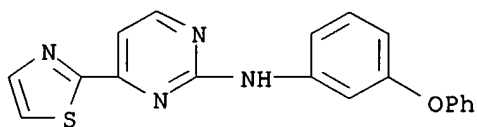


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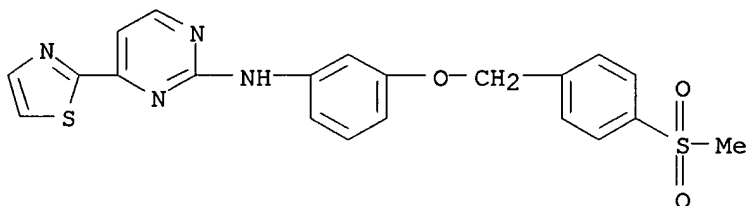
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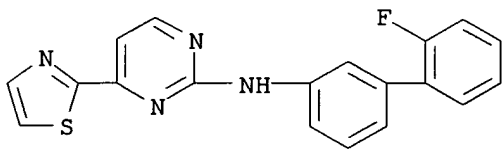


RN 477769-11-2 CAPLUS

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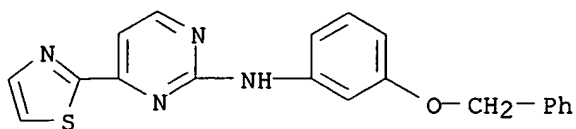


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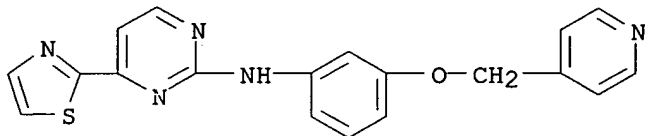
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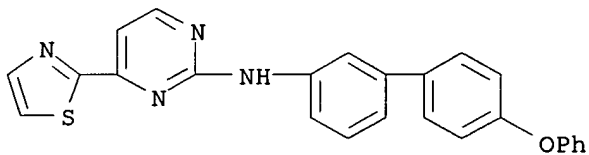
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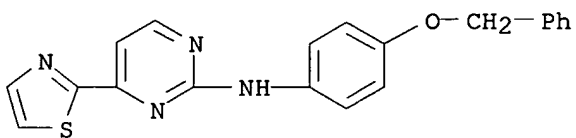
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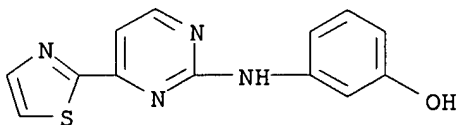
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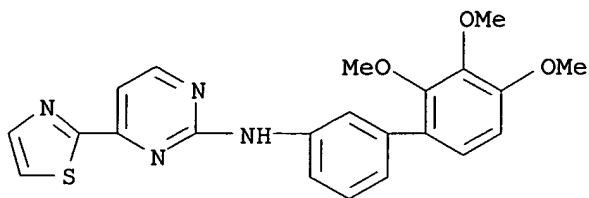
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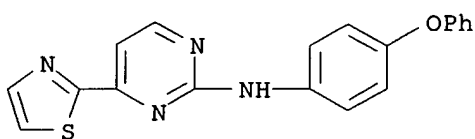
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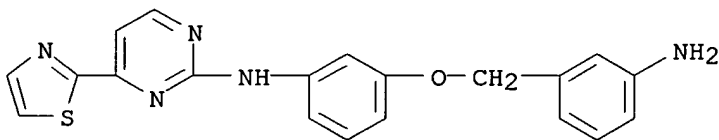
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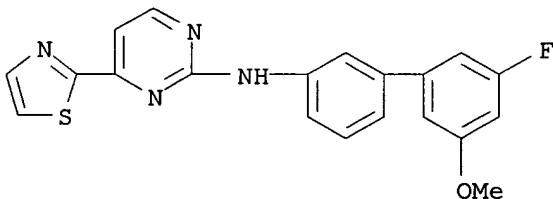
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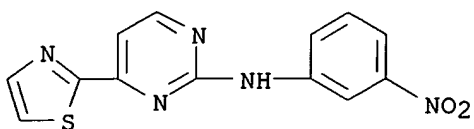
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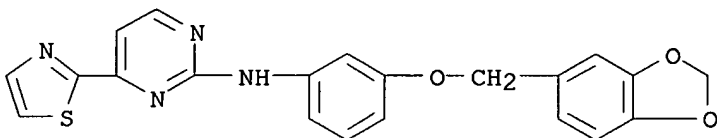
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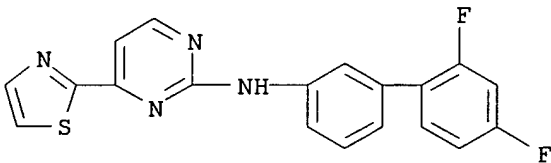
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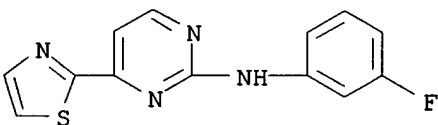
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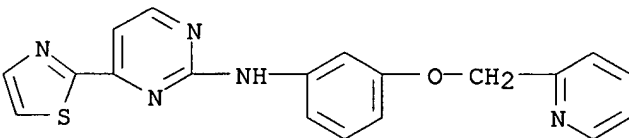
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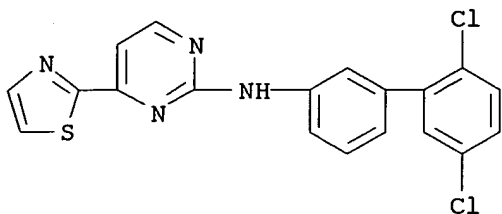
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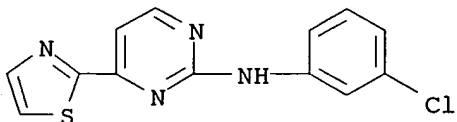
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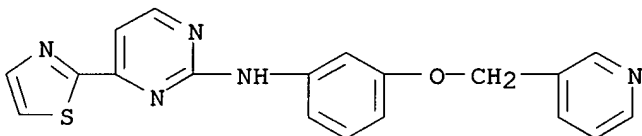
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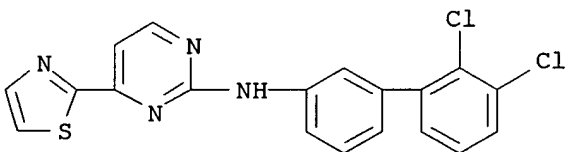
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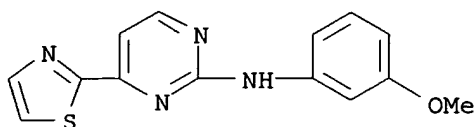
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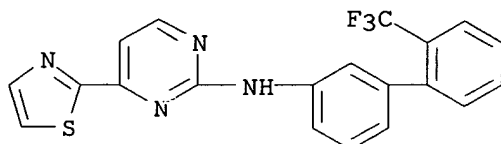
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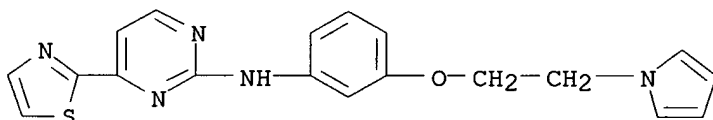
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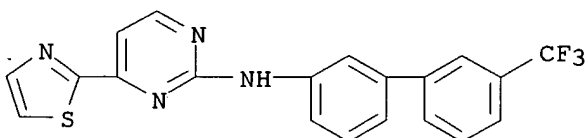
RN 477769-35-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-[2-(1H-pyrrol-1-yl)ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



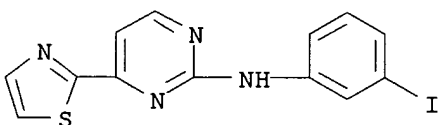
RN 477769-36-1 CAPLUS

CN 2-Pyrimidinamine, N-[3'-(trifluoromethyl)[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)



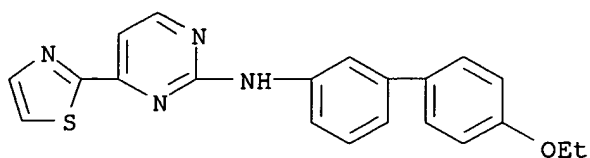
RN 477769-37-2 CAPLUS

CN 2-Pyrimidinamine, N-(3-iodophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



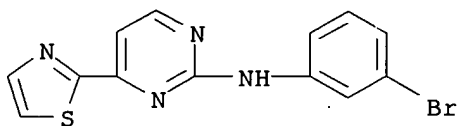
RN 477769-38-3 CAPLUS

CN 2-Pyrimidinamine, N-(4'-ethoxy[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



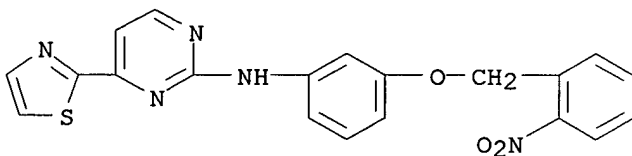
RN 477769-39-4 CAPLUS

CN 2-Pyrimidinamine, N-(3-bromophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



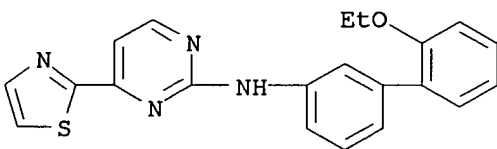
RN 477769-40-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(2-nitrophenyl)methoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



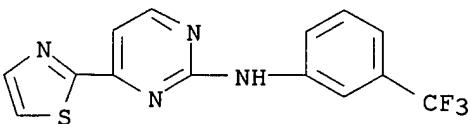
RN 477769-41-8 CAPLUS

CN 2-Pyrimidinamine, N-(2'-ethoxy[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)

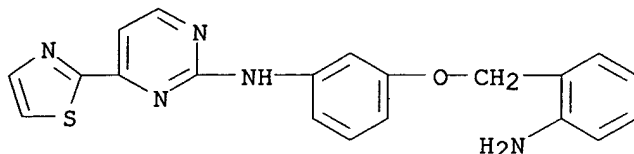


RN 477769-42-9 CAPLUS

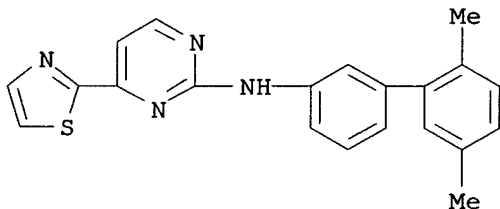
CN 2-Pyrimidinamine, 4-(2-thiazolyl)-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



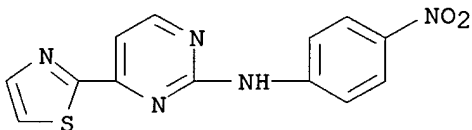
RN 477769-43-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(2-aminophenyl)methoxy]phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)

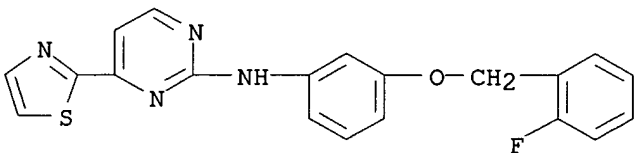
RN 477769-44-1 CAPLUS

CN 2-Pyrimidinamine, N-(2',5'-dimethyl[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)

RN 477769-45-2 CAPLUS

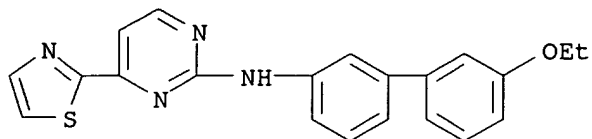
CN 2-Pyrimidinamine, N-(4-nitrophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX
NAME)

RN 477769-46-3 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(2-fluorophenyl)methoxy]phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)

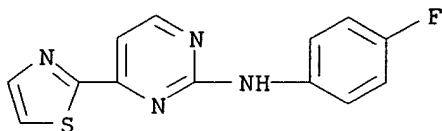
RN 477769-47-4 CAPLUS

CN 2-Pyrimidinamine, N-(3'-ethoxy[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI)
(CA INDEX NAME)



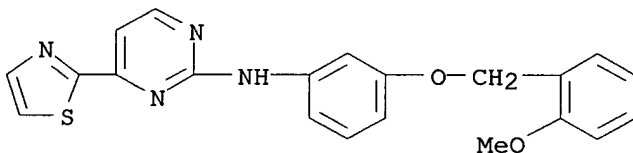
RN 477769-48-5 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



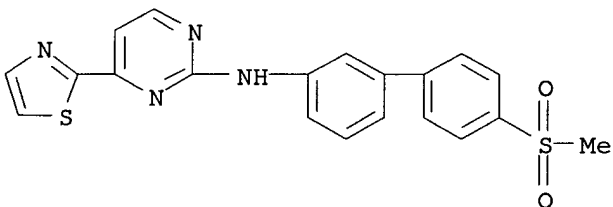
RN 477769-49-6 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(2-methoxyphenyl)methoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



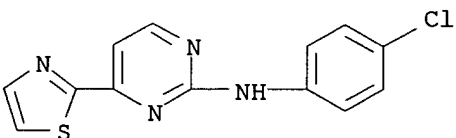
RN 477769-50-9 CAPLUS

CN 2-Pyrimidinamine, N-[4'-(methanesulfonyl)[1,1'-biphenyl]-3-yl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



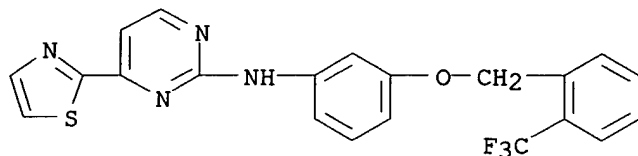
RN 477769-51-0 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



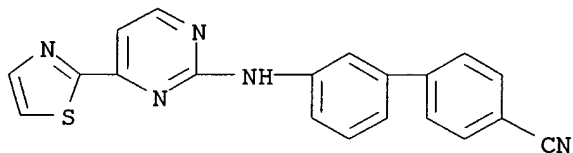
RN 477769-52-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2-thiazolyl)-N-[3-[[2-(trifluoromethyl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



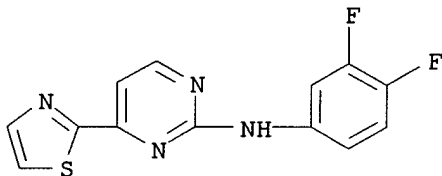
RN 477769-53-2 CAPLUS

CN [1,1'-Biphenyl]-4-carbonitrile, 3'-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



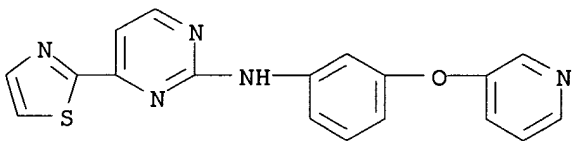
RN 477769-54-3 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-difluorophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



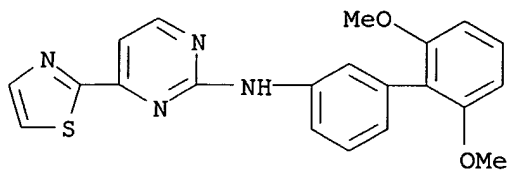
RN 477769-55-4 CAPLUS

CN 2-Pyrimidinamine, N-[3-(3-pyridinyloxy)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



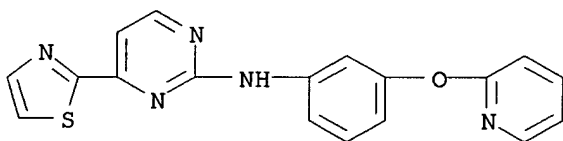
RN 477769-56-5 CAPLUS

CN 2-Pyrimidinamine, N-(2',6'-dimethoxy[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



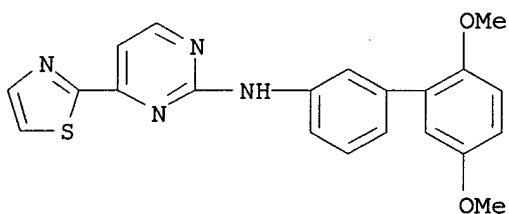
RN 477769-58-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-(2-pyridinyloxy)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



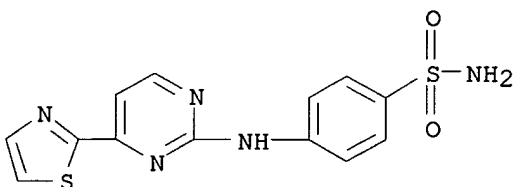
RN 477769-59-8 CAPLUS

CN 2-Pyrimidinamine, N-(2',5'-dimethoxy[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



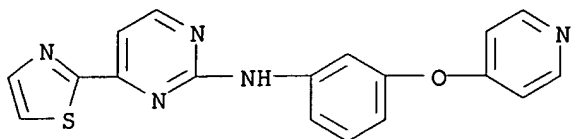
RN 477769-60-1 CAPLUS

CN Benzenesulfonamide, 4-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



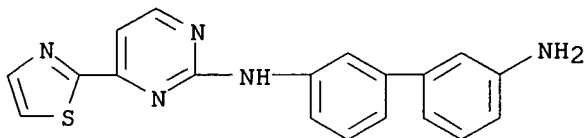
RN 477769-61-2 CAPLUS

CN 2-Pyrimidinamine, N-[3-(4-pyridinyloxy)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



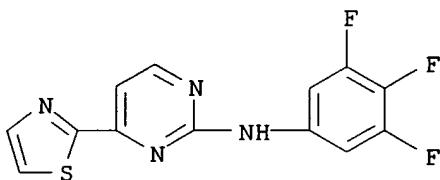
RN 477769-62-3 CAPLUS

CN [1,1'-Biphenyl]-3,3'-diamine, N-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI)
(CA INDEX NAME)



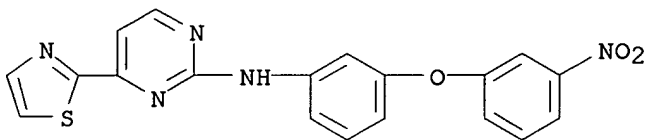
RN 477769-63-4 CAPLUS

CN 2-Pyrimidinamine, 4-(2-thiazolyl)-N-(3,4,5-trifluorophenyl)- (9CI) (CA
INDEX NAME)



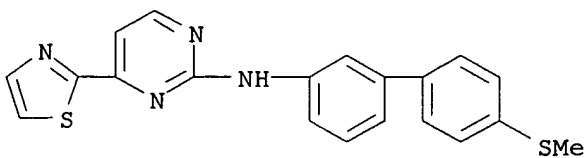
RN 477769-64-5 CAPLUS

CN 2-Pyrimidinamine, N-[3-(3-nitrophenoxy)phenyl]-4-(2-thiazolyl)- (9CI) (CA
INDEX NAME)



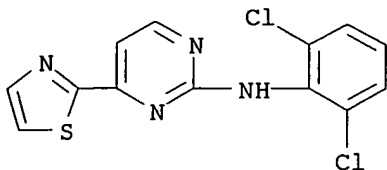
RN 477769-65-6 CAPLUS

CN 2-Pyrimidinamine, N-[4'-(methylthio)[1,1'-biphenyl]-3-yl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



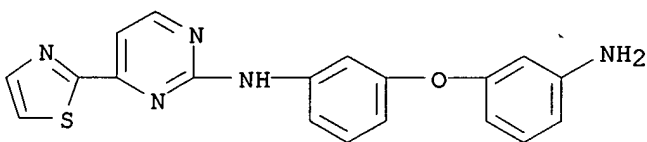
RN 477769-66-7 CAPLUS

CN 2-Pyrimidinamine, N-(2,6-dichlorophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



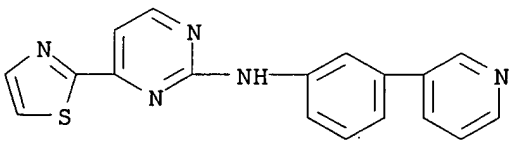
RN 477769-67-8 CAPLUS

CN 2-Pyrimidinamine, N-[3-(3-aminophenoxy)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



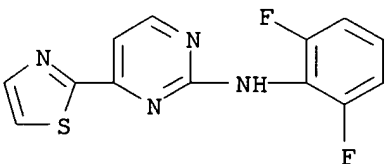
RN 477769-68-9 CAPLUS

CN 2-Pyrimidinamine, N-[3-(3-pyridinyl)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



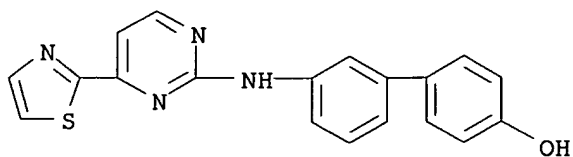
RN 477769-69-0 CAPLUS

CN 2-Pyrimidinamine, N-(2,6-difluorophenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



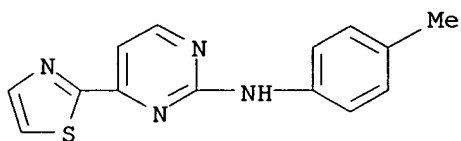
RN 477769-71-4 CAPLUS

CN [1,1'-Biphenyl]-4-ol, 3'-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



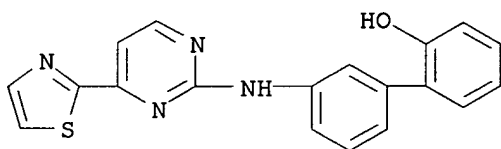
RN 477769-72-5 CAPLUS

CN 2-Pyrimidinamine, N-(4-methylphenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



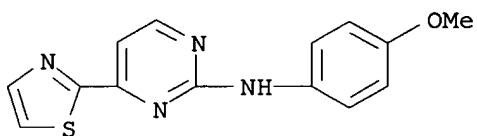
RN 477769-74-7 CAPLUS

CN [1,1'-Biphenyl]-2-ol, 3'-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



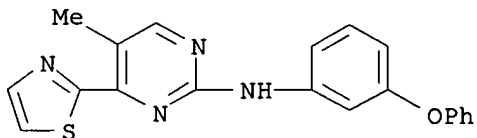
RN 477769-75-8 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxyphenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



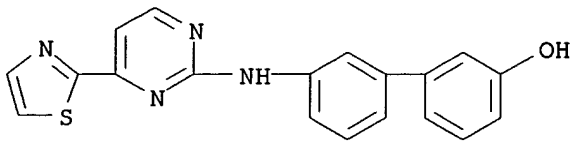
RN 477769-76-9 CAPLUS

CN 2-Pyrimidinamine, 5-methyl-N-(3-phenoxyphenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



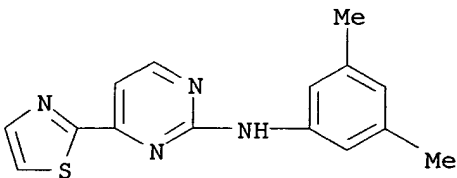
RN 477769-77-0 CAPLUS

CN [1,1'-Biphenyl]-3-ol, 3'-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)



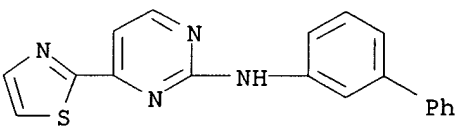
RN 477769-78-1 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-dimethylphenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



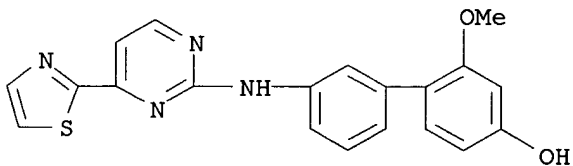
RN 477769-79-2 CAPLUS

CN 2-Pyrimidinamine, N-[1,1'-biphenyl]-3-yl-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



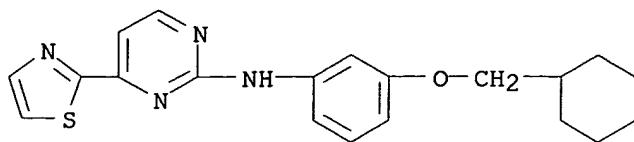
RN 477769-80-5 CAPLUS

CN [1,1'-Biphenyl]-4-ol, 2-methoxy-3'-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



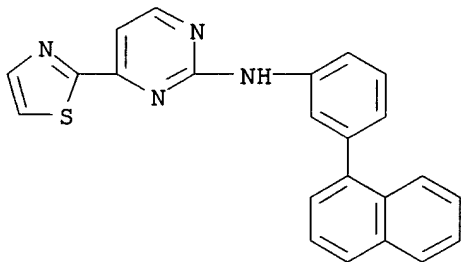
RN 477769-81-6 CAPLUS

CN 2-Pyrimidinamine, N-[3-(cyclohexylmethoxy)phenyl]-4-(2-thiazolyl)- (9CI)
(CA INDEX NAME)



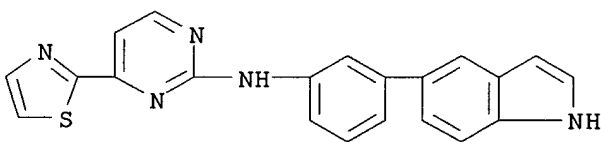
RN 477769-82-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-(1-naphthalenyl)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



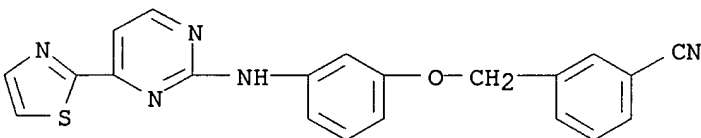
RN 477769-83-8 CAPLUS

CN 2-Pyrimidinamine, N-[3-(1H-indol-5-yl)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



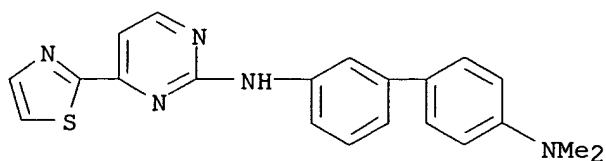
RN 477769-84-9 CAPLUS

CN Benzonitrile, 3-[[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]methyl]- (9CI) (CA INDEX NAME)



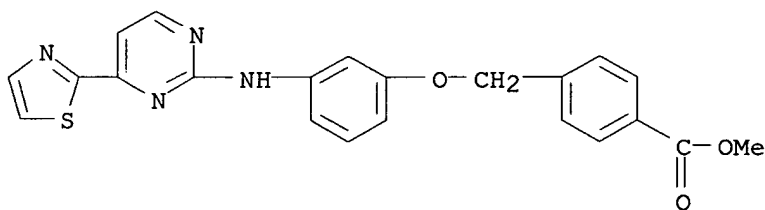
RN 477769-86-1 CAPLUS

CN [1,1'-Biphenyl]-3,4'-diamine, N4',N4'-dimethyl-N3-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



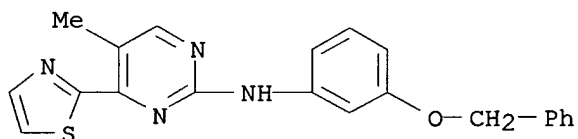
RN 477769-87-2 CAPLUS

CN Benzoic acid, 4-[[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



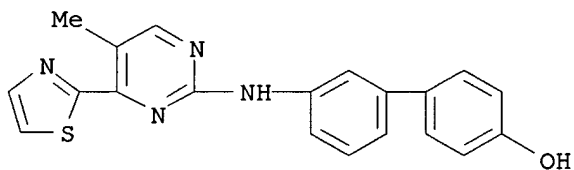
RN 477769-88-3 CAPLUS

CN 2-Pyrimidinamine, 5-methyl-N-[3-(phenylmethoxy)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



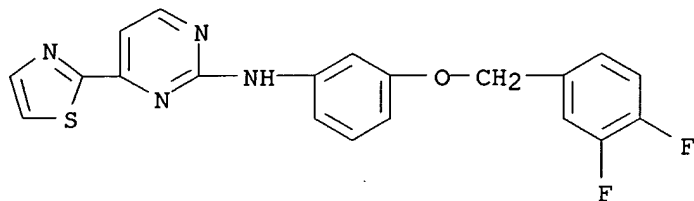
RN 477769-89-4 CAPLUS

CN [1,1'-Biphenyl]-4-ol, 3'-[[5-methyl-4-(2-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



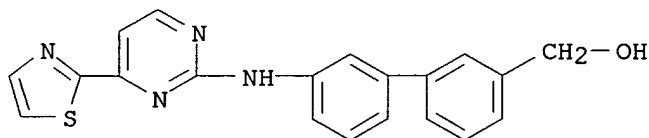
RN 477769-90-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(3,4-difluorophenyl)methoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



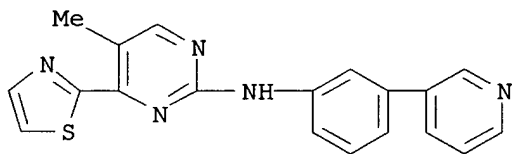
RN 477769-91-8 CAPLUS

CN [1,1'-Biphenyl]-3-methanol, 3'--[[4-(2-thiazolyl)-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)



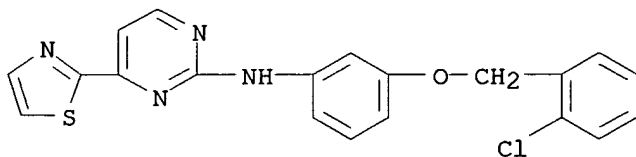
RN 477769-92-9 CAPLUS

CN 2-Pyrimidinamine, 5-methyl-N-[3-(3-pyridinyl)phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



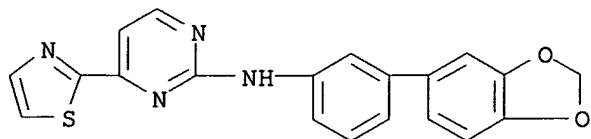
RN 477769-93-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(2-chlorophenyl)methoxy]phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



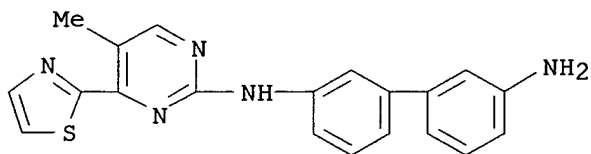
RN 477769-94-1 CAPLUS

CN 2-Pyrimidinamine, N-[3-(1,3-benzodioxol-5-yl)phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



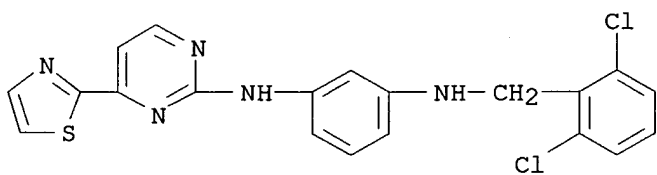
RN 477769-95-2 CAPLUS

CN [1,1'-Biphenyl]-3,3'-diamine, N-[5-methyl-4-(2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



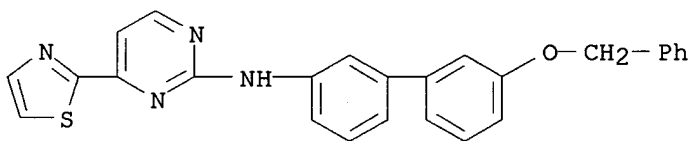
RN 477769-96-3 CAPLUS

CN 1,3-Benzenediamine, N-[(2,6-dichlorophenyl)methyl]-N'-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



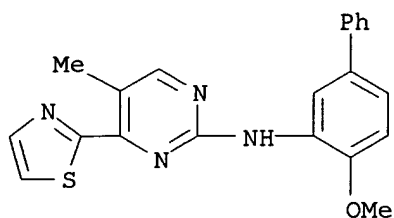
RN 477769-97-4 CAPLUS

CN 2-Pyrimidinamine, N-[3'-(phenylmethoxy)[1,1'-biphenyl]-3-yl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



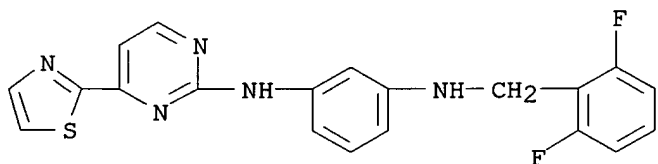
RN 477769-98-5 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxy[1,1'-biphenyl]-3-yl)-5-methyl-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



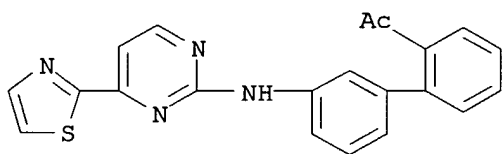
RN 477769-99-6 CAPLUS

CN 1,3-Benzenediamine, N-[(2,6-difluorophenyl)methyl]-N'-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



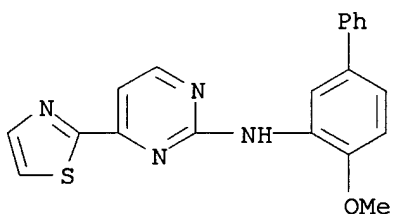
RN 477770-00-6 CAPLUS

CN Ethanone, 1-[3'-[[4-(2-thiazolyl)-2-pyrimidinyl]amino][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)



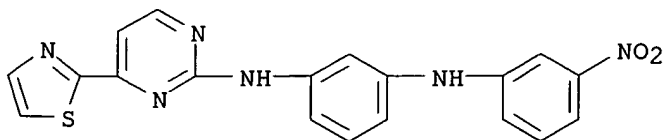
RN 477770-01-7 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxy[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



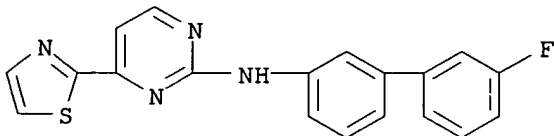
RN 477770-02-8 CAPLUS

CN 1,3-Benzenediamine, N-(3-nitrophenyl)-N'-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



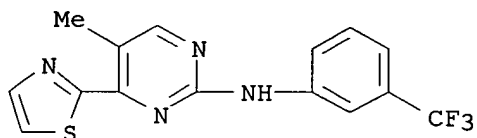
RN 477770-03-9 CAPLUS

CN 2-Pyrimidinamine, N-(3'-fluoro[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI)
(CA INDEX NAME)



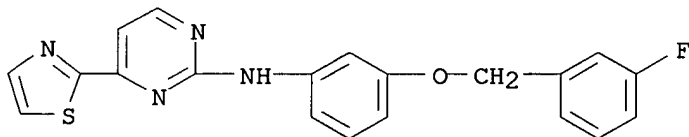
RN 477770-04-0 CAPLUS

CN 2-Pyrimidinamine, 5-methyl-4-(2-thiazolyl)-N-[3-(trifluoromethyl)phenyl]-
(9CI) (CA INDEX NAME)



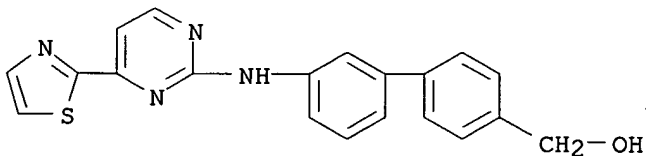
RN 477770-05-1 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(3-fluorophenyl)methoxy]phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



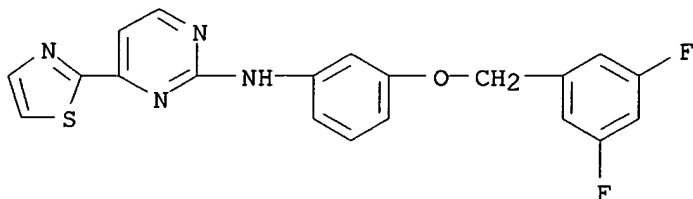
RN 477770-06-2 CAPLUS

CN [1,1'-Biphenyl]-4-methanol, 3'-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)



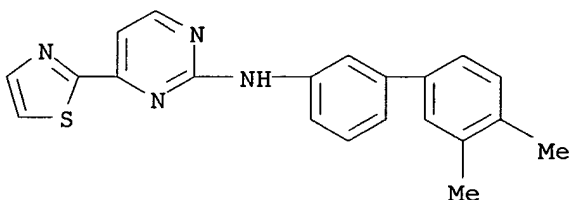
RN 477770-07-3 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(3,5-difluorophenyl)methoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



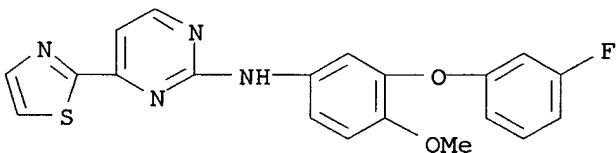
RN 477770-08-4 CAPLUS

CN 2-Pyrimidinamine, N-(3',4'-dimethyl[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



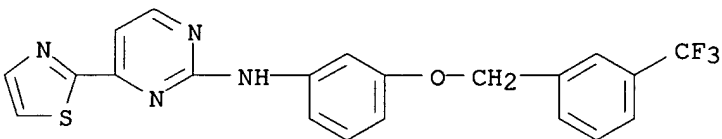
RN 477770-09-5 CAPLUS

CN 2-Pyrimidinamine, N-[3-(3-fluorophenoxy)-4-methoxyphenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



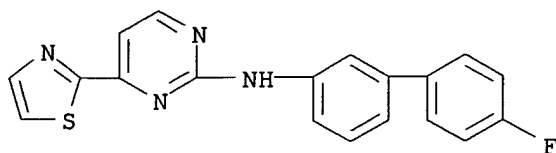
RN 477770-10-8 CAPLUS

CN 2-Pyrimidinamine, 4-(2-thiazolyl)-N-[3-[[3-(trifluoromethyl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



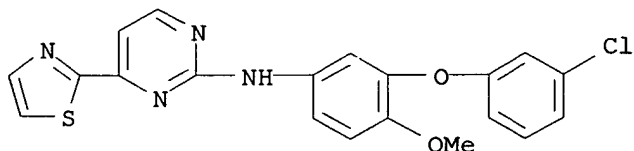
RN 477770-11-9 CAPLUS

CN 2-Pyrimidinamine, N-(4'-fluoro[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



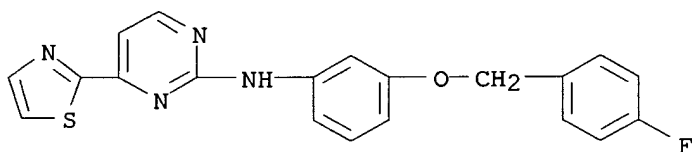
RN 477770-12-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-(3-chlorophenoxy)-4-methoxyphenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



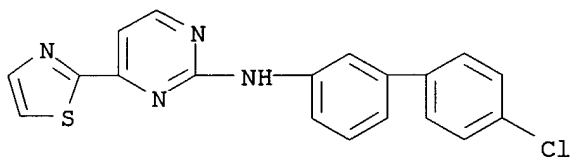
RN 477770-13-1 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(4-fluorophenyl)methoxy]phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



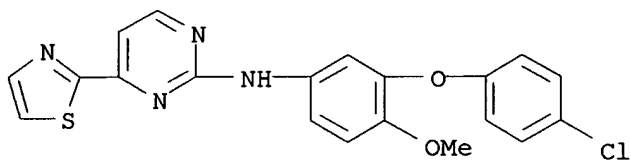
RN 477770-14-2 CAPLUS

CN 2-Pyrimidinamine, N-(4'-chloro[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI)
(CA INDEX NAME)



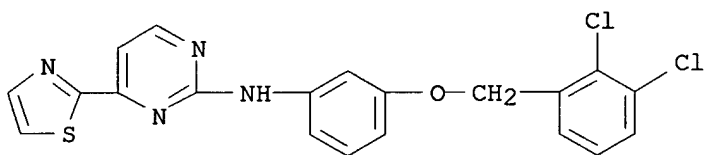
RN 477770-15-3 CAPLUS

CN 2-Pyrimidinamine, N-[3-(4-chlorophenoxy)-4-methoxyphenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)



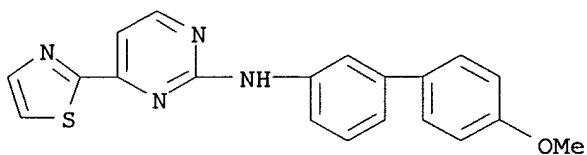
RN 477770-16-4 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(2,3-dichlorophenyl)methoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



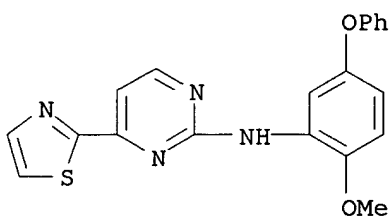
RN 477770-17-5 CAPLUS

CN 2-Pyrimidinamine, N-(4'-methoxy[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



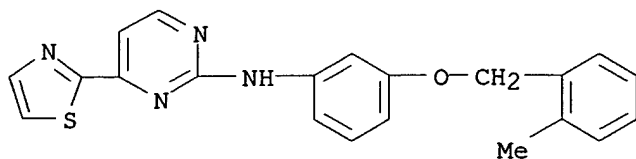
RN 477770-18-6 CAPLUS

CN 2-Pyrimidinamine, N-(2-methoxy-5-phenoxyphenyl)-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



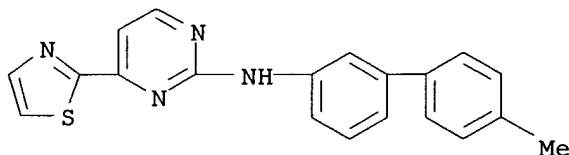
RN 477770-19-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-[(2-methylphenyl)methoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



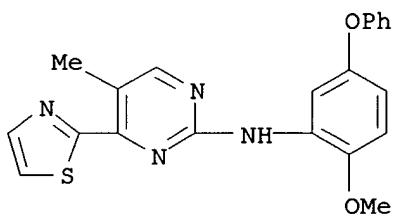
RN 477770-20-0 CAPLUS

CN 2-Pyrimidinamine, N-(4'-methyl[1,1'-biphenyl]-3-yl)-4-(2-thiazolyl)- (9CI)
(CA INDEX NAME)



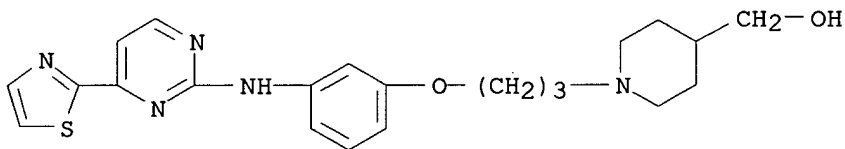
RN 477770-21-1 CAPLUS

CN 2-Pyrimidinamine, N-(2-methoxy-5-phenoxyphenyl)-5-methyl-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 477770-22-2 CAPLUS

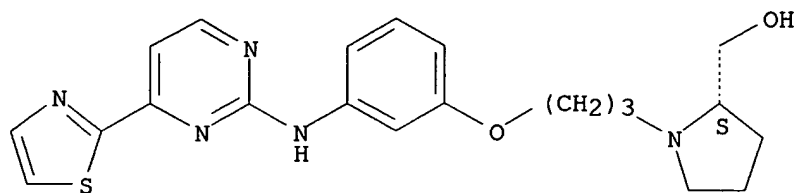
CN 4-Piperidinemethanol, 1-[3-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]propyl]- (9CI) (CA INDEX NAME)



RN 477770-23-3 CAPLUS

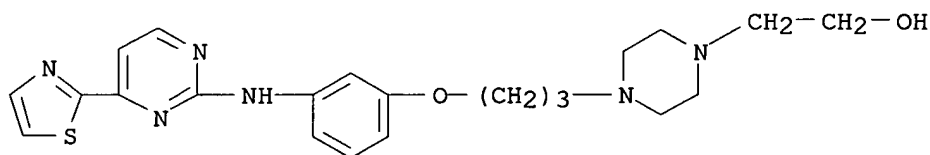
CN 2-Pyrrolidinemethanol, 1-[3-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]propyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



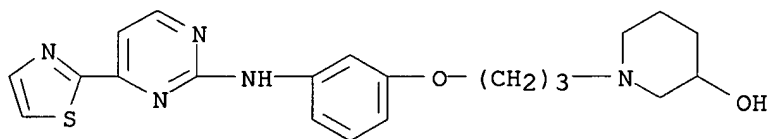
RN 477770-24-4 CAPLUS

CN 1-Piperazineethanol, 4-[3-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]propyl]- (9CI) (CA INDEX NAME)



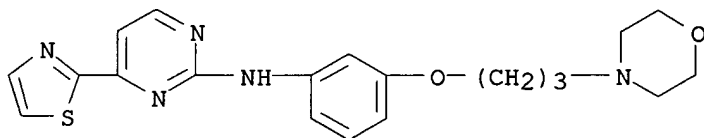
RN 477770-25-5 CAPLUS

CN 3-Piperidinol, 1-[3-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]propyl]- (9CI) (CA INDEX NAME)



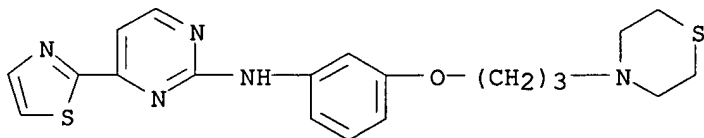
RN 477770-26-6 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-(4-morpholinyl)propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



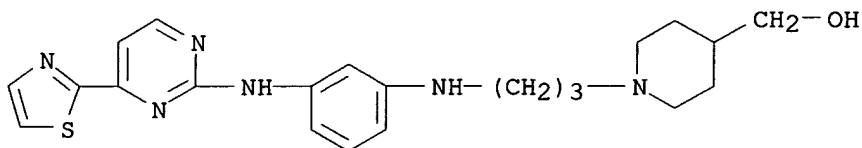
RN 477770-27-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2-thiazolyl)-N-[3-[3-(4-thiomorpholinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 477770-28-8 CAPLUS

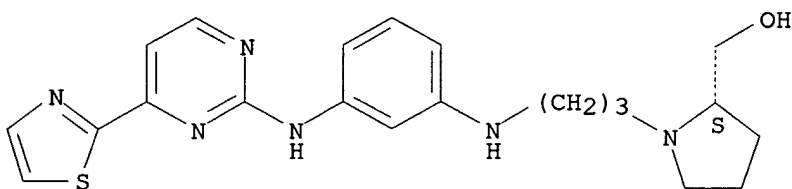
CN 4-Piperidinemethanol, 1-[3-[[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]propyl]- (9CI) (CA INDEX NAME)



RN 477770-29-9 CAPLUS

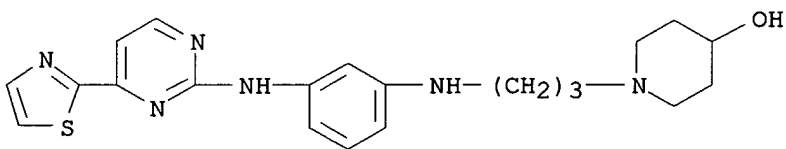
CN 2-Pyrrolidinemethanol, 1-[3-[[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]propyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



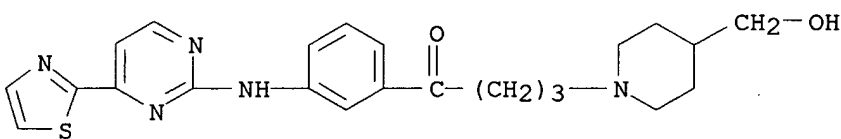
RN 477770-30-2 CAPLUS

CN 4-Piperidinol, 1-[3-[[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]propyl]- (9CI) (CA INDEX NAME)



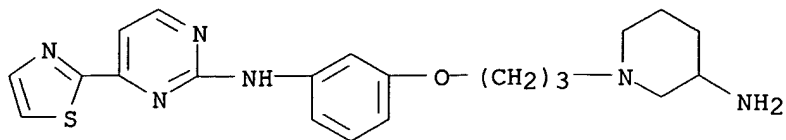
RN 477770-31-3 CAPLUS

CN 1-Butanone, 4-[4-(hydroxymethyl)-1-piperidinyl]-1-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



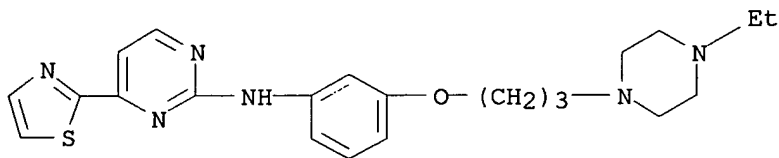
RN 477770-32-4 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-(3-amino-1-piperidinyl)propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



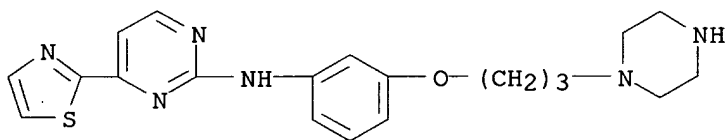
RN 477770-33-5 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-(4-ethyl-1-piperazinyl)propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



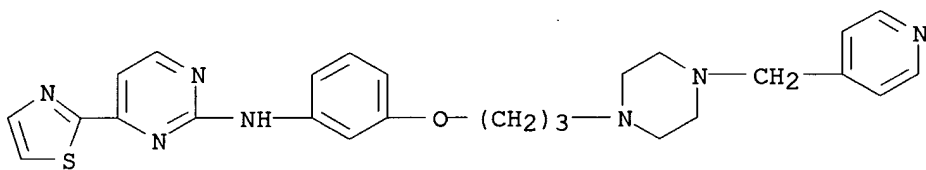
RN 477770-34-6 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-(1-piperazinyl)propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



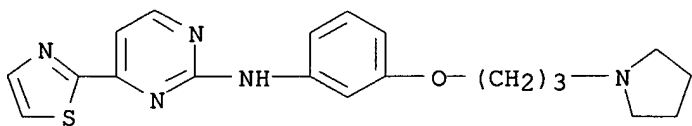
RN 477770-35-7 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-[4-(4-pyridinylmethyl)-1-piperazinyl]propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



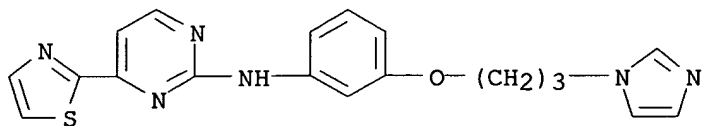
RN 477770-36-8 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-(1-pyrrolidinyl)propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



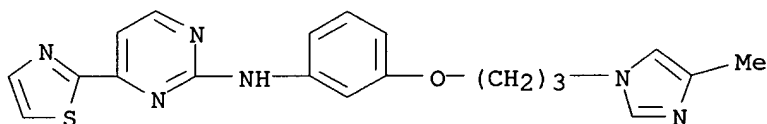
RN 477770-37-9 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-(1H-imidazol-1-yl)propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



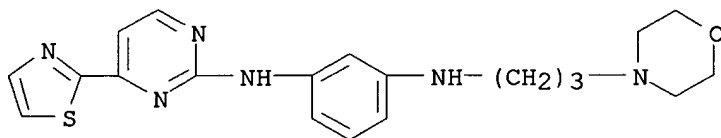
RN 477770-38-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-[3-(4-methyl-1H-imidazol-1-yl)propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



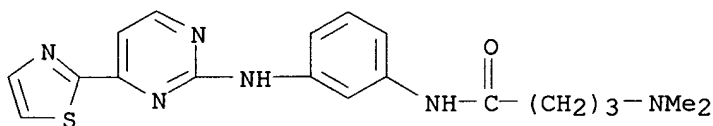
RN 477770-39-1 CAPLUS

CN 1,3-Benzenediamine, N-[3-(4-morpholinyl)propyl]-N'-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



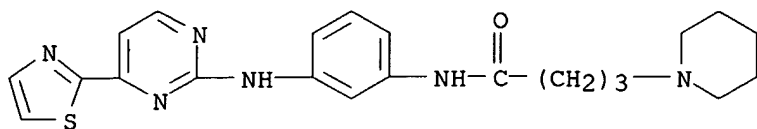
RN 477770-40-4 CAPLUS

CN Butanamide, 4-(dimethylamino)-N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



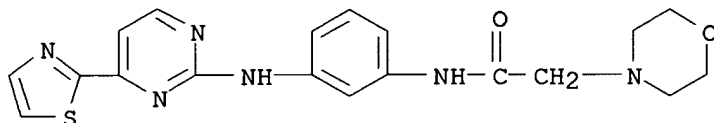
RN 477770-41-5 CAPLUS

CN 1-Piperidinebutanamide, N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



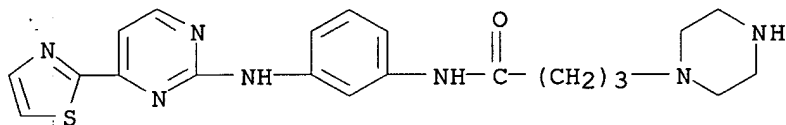
RN 477770-42-6 CAPLUS

CN 4-Morpholineacetamide, N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



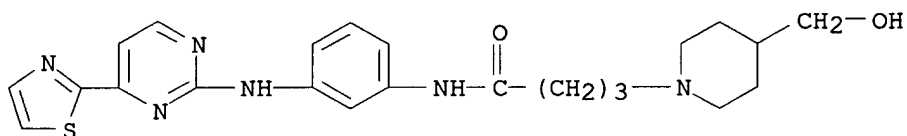
RN 477770-43-7 CAPLUS

CN 1-Piperazinebutanamide, N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



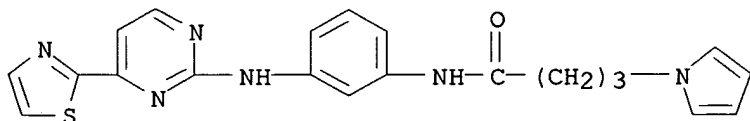
RN 477770-44-8 CAPLUS

CN 1-Piperidinebutanamide, 4-(hydroxymethyl)-N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 477770-45-9 CAPLUS

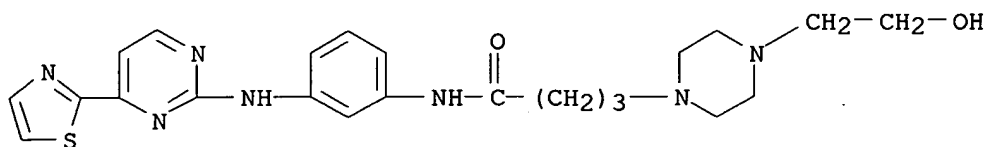
CN 1H-Pyrrole-1-butanamide, N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 477770-46-0 CAPLUS

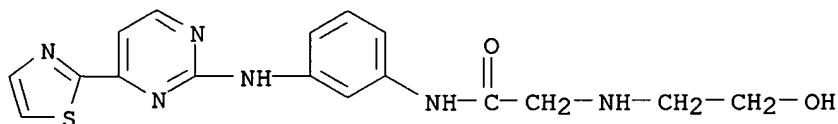
CN 1-Piperazinebutanamide, 4-(2-hydroxyethyl)-N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)

pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



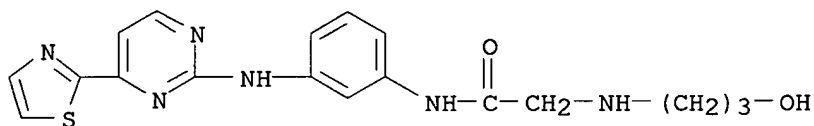
RN 477770-47-1 CAPLUS

CN Acetamide, 2-[(2-hydroxyethyl)amino]-N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



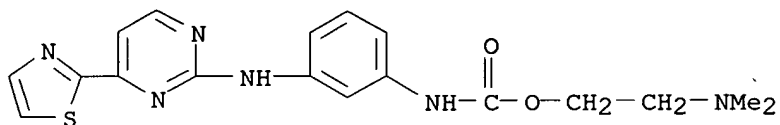
RN 477770-48-2 CAPLUS

CN Acetamide, 2-[(3-hydroxypropyl)amino]-N-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]- (9CI) (CA INDEX NAME)



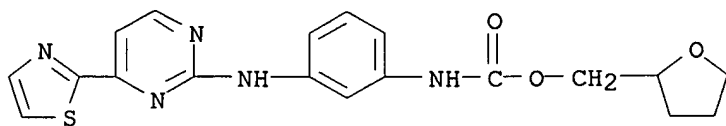
RN 477770-49-3 CAPLUS

CN Carbamic acid, [3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, 2-(dimethylamino)ethyl ester (9CI) (CA INDEX NAME)



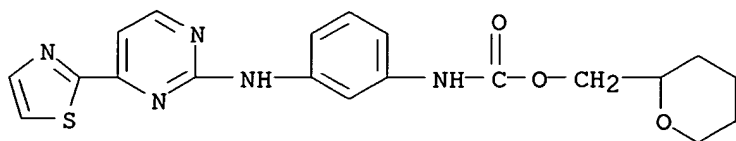
RN 477770-50-6 CAPLUS

CN Carbamic acid, [3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, (tetrahydro-2-furanyl)methyl ester (9CI) (CA INDEX NAME)



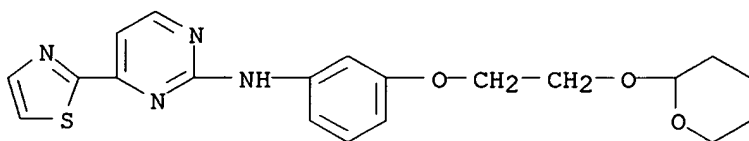
RN 477770-51-7 CAPLUS

CN Carbamic acid, [3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]-, (tetrahydro-2H-pyran-2-yl)methyl ester (9CI) (CA INDEX NAME)



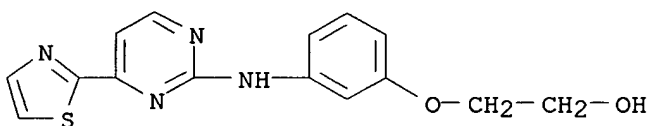
RN 477770-52-8 CAPLUS

CN 2-Pyrimidinamine, N-[3-[2-[(tetrahydro-2H-pyran-2-yl)oxy]ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



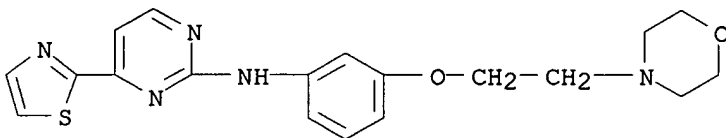
RN 477770-53-9 CAPLUS

CN Ethanol, 2-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



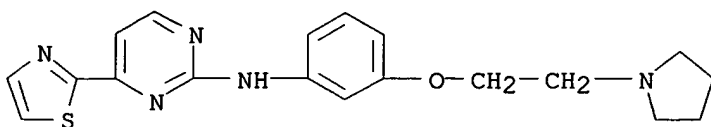
RN 477770-54-0 CAPLUS

CN 2-Pyrimidinamine, N-[3-[2-(4-morpholinyl)ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)

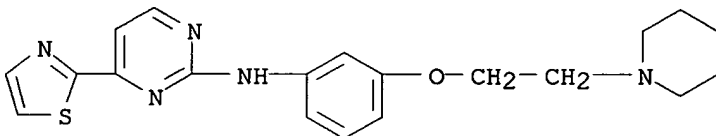


RN 477770-55-1 CAPLUS

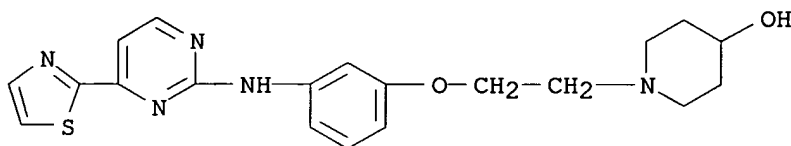
CN 2-Pyrimidinamine, N-[3-[2-(1-pyrrolidinyl)ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 477770-56-2 CAPLUS

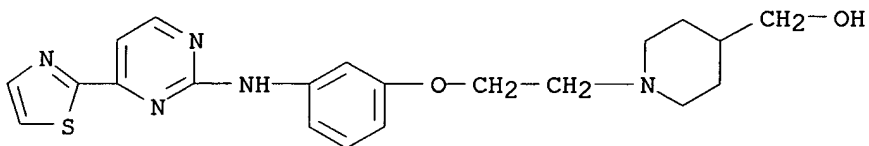
CN 2-Pyrimidinamine, N-[3-[2-(1-piperidinyl)ethoxy]phenyl]-4-(2-thiazolyl)-
(9CI) (CA INDEX NAME)

RN 477770-57-3 CAPLUS

CN 4-Piperidinol, 1-[2-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]ethyl]-
(9CI) (CA INDEX NAME)

RN 477770-58-4 CAPLUS

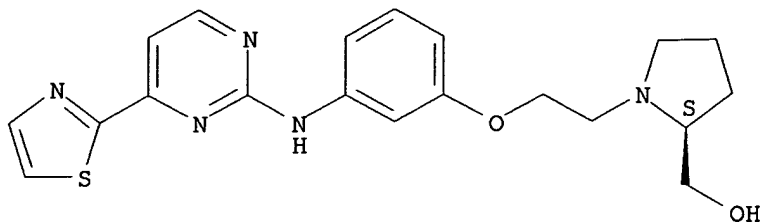
CN 4-Piperidinemethanol, 1-[2-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 477770-59-5 CAPLUS

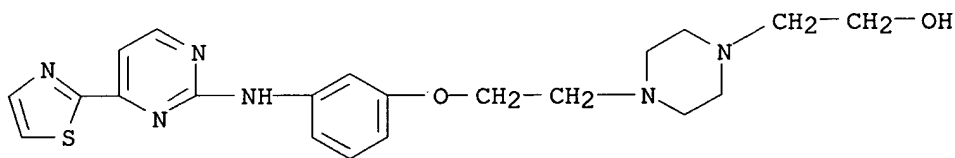
CN 2-Pyrrolidinemethanol, 1-[2-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]ethyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



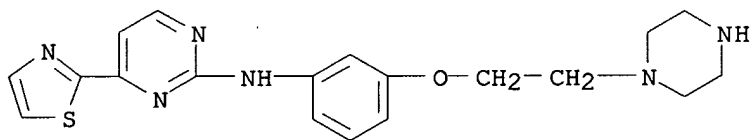
RN 477770-60-8 CAPLUS

CN 1-Piperazineethanol, 4-[2-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]ethyl]- (9CI) (CA INDEX NAME)



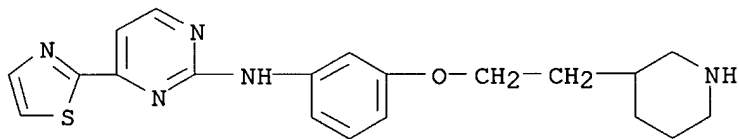
RN 477770-61-9 CAPLUS

CN 2-Pyrimidinamine, N-[3-[2-(1-piperazinyl)ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



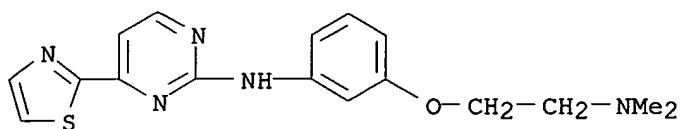
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CN 2-Pyrimidinamine, N-[3-[2-(3-piperidinyloxy)phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



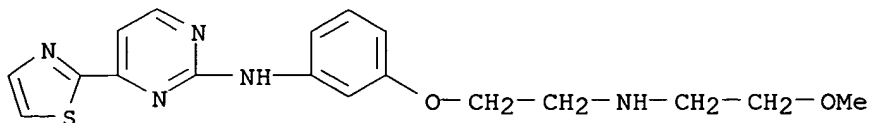
RN 477770-63-1 CAPLUS

CN 2-Pyrimidinamine, N-[3-[2-(dimethylamino)ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



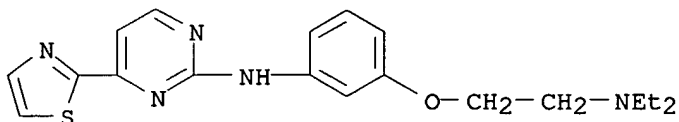
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CN 2-Pyrimidinamine, N-[3-[2-[(2-methoxyethyl)amino]ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



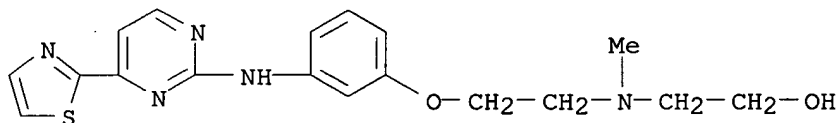
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CN 2-Pyrimidinamine, N-[3-[2-(diethylamino)ethoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



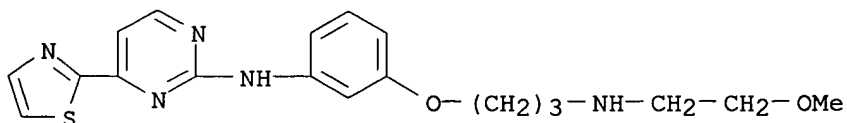
RN 477770-66-4 CAPLUS

CN Ethanol, 2-[methyl[2-[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenoxy]ethyl]amino]- (9CI) (CA INDEX NAME)



RN 477770-67-5 CAPLUS

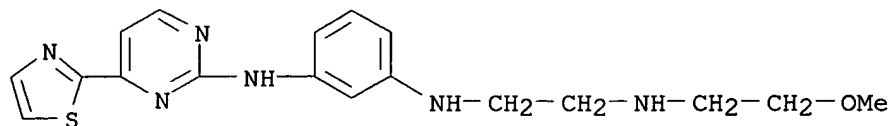
CN 2-Pyrimidinamine, N-[3-[3-[(2-methoxyethyl)amino]propoxy]phenyl]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 477770-68-6 CAPLUS

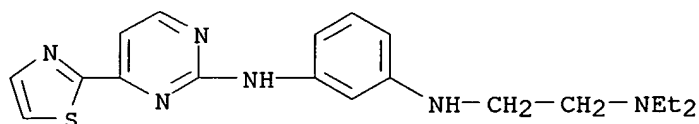
CN 1,3-Benzenediamine, N-[2-[(2-methoxyethyl)amino]ethyl]-N'-[4-(2-thiazolyl)-

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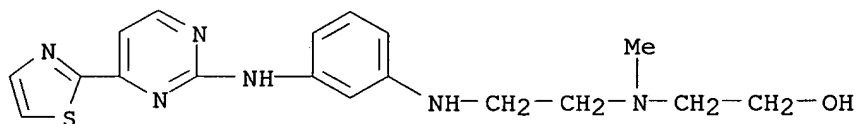
RN 477770-69-7 CAPLUS

CN 1,3-Benzenediamine, N-[2-(diethylamino)ethyl]-N'-[4-(2-thiazolyl)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



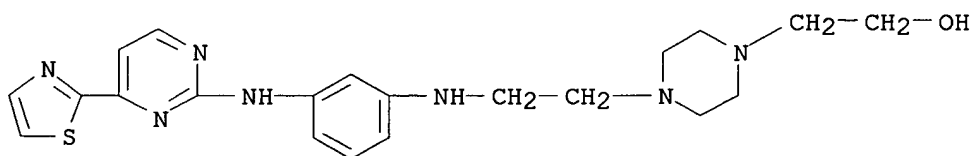
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CN Ethanol, 2-[methyl[2-[[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]ethyl]amino]- (9CI) (CA INDEX NAME)



RN 477770-71-1 CAPLUS

CN 1-Piperazineethanol, 4-[2-[[3-[[4-(2-thiazolyl)-2-pyrimidinyl]amino]phenyl]amino]ethyl]- (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2001:730738 CAPLUS
 DN 135:288789
 TI 2-Substituted 4-heteroaryl-pyrimidines with activity as inhibitors of cyclin-dependent kinases and their preparation and use in the treatment of proliferative disorders
 IN Fischer, Peter Martin; Wang, Shudong
 PA Cyclacel Limited, UK
 SO PCT Int. Appl., 95 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

Common Inv.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2001072745 | A1 | 20011004 | WO 2001-GB1423 | 20010328 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
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| | CA 2401748 | AA | 20011004 | CA 2001-2401748 | 20010328 |
| | GB 2361236 | A1 | 20011017 | GB 2001-7758 | 20010328 |
| | GB 2361236 | B2 | 20020424 | | |
| | EP 1274705 | A1 | 20030115 | EP 2001-915544 | 20010328 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | JP 2003528872 | T2 | 20030930 | JP 2001-570655 | 20010328 |
| | NZ 521068 | A | 20050429 | NZ 2001-521068 | 20010328 |
| | US 2002019404 | A1 | 20020214 | US 2001-823075 | 20010329 |
| | US 6531479 — ODP | B2 | 20030311 | | |
| | US 2003149057 | A1 | 20030807 | US 2002-327540 | 20021220 |
| | US 6699854 — X No ODP | B2 | 20040302 | | |
| PRAI | GB 2000-7636 | A | 20000329 | | |
| | GB 2000-15117 | A | 20000620 | | |
| | WO 2001-GB1423 | W | 20010328 | | |
| | US 2001-823075 | A3 | 20010329 | | |

OS MARPAT 135:288789

AB The invention relates to 2-substituted 4-heteroaryl-pyrimidines I and their pharmaceutically acceptable salts [wherein: X1 = CH and X2 = S; or 1 of X1 and X2 = S and the other = N; Z = NH, NHCO, NHCO₂, NHCH₂, CH₂, CH₂CH₂, or CH:CH; R1, R2, R3 = H, alkyl, aryl, aralkyl, heterocyclyl, halo, NO₂, cyano, OH, alkoxy, aryloxy, NH₂, NHR', N(R')(R''), NHCOR', NH(aryl), N(aryl)₂, COOH, COOR', COO(aryl), CONH₂, CONHR', CON(R')(R''), CONH(aryl), CON(aryl)₂, SO₃H, SO₂NH₂, CF₃, COR', or CO(aryl), wherein alkyl, aryl, aralkyl, heterocyclyl, and NH(aryl) groups may be further substituted with 1 or more halo, NO₂, cyano, OH, OMe, NH₂, COOH, CONH₂, and/or CF₃; at least 1 of R1 and R2 ≠ H when either X1 or X2 = S; R4, R5, R6, R7, R8 = H, (un)substituted alkyl, halo, NO₂, cyano, OH, (un)substituted alkoxy, NH₂, NHR', alkyl-aryl, alkyl-heteroaryl, NH(C:NH)NH₂, N(R')₃⁺, N(R')(R''), COOH, COOR', CONH₂, CONHR', CON(R')(R''), SO₃H, SO₂NH₂, CF₃, or (CH₂)_nO(CH₂)_mNR'(R''), (CH₂)_nCO₂(CH₂)_mOR''' wherein n = 0, 1, 2, or 3; m = 1, 2 or 3; R', R'', R''' = alkyl]. The invention also relates to preparation of I, pharmaceutical

compns. containing them, and their use as inhibitors of cyclin-dependant kinases (CDKs), and hence their use in the treatment of proliferative disorders such as cancer, leukemia, psoriasis and the like. Examples include 22 syntheses and a variety of bioassays. For instance, 4-FC6H4NH₂ was treated with HNO₃ and cyanamide in EtOH to give 47% 4-FC6H4NHC(:NH)NH₂.HNO₃ (II). Sep., 5-acetyl-2,4-dimethylthiazole was condensed with N,N-dimethylformamide di-Me acetal to give 79% 3-dimethylamino-1-(2,4-dimethylthiazol-5-yl)propenone (III). Cyclocondensation of II with III in refluxing MeOCH₂CH₂OH in the presence of NaOH gave title compound IV in 89% yield. In an assay against multiple kinases, IV selectively inhibited CDKs, showing an IC₅₀ of 0.019 μ M against CDK2/cyclin E, and 0.47 μ M against CDK4/cyclin D1, vs. >20 μ M against PCK α and SAPK2 α . Addnl. bioassays of I showed antiproliferative and cytotoxic activity.

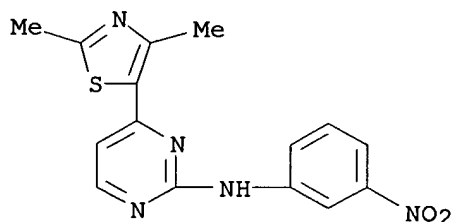
IT 364333-82-4P 364334-16-7P 364334-85-0P
364334-88-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of heteroarylpyrimidines as CDK-inhibiting antiproliferative and anticancer agents)

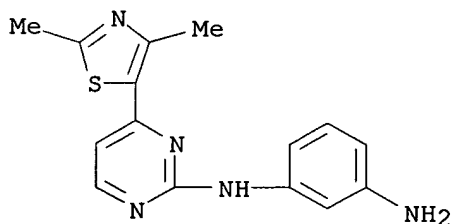
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(CA INDEX NAME)



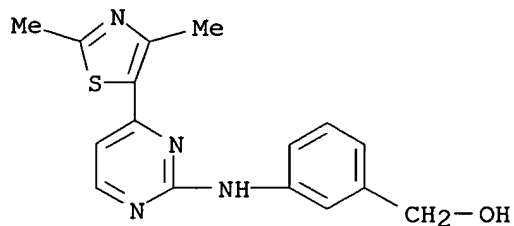
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(CA INDEX NAME)



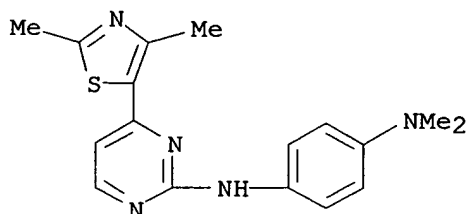
RN 364334-85-0 CAPLUS

CN Benzenemethanol, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 364334-88-3 CAPLUS

CN 1,4-Benzenediamine, N'-[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



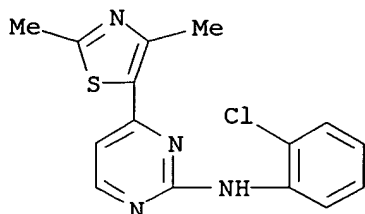
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 364334-86-1P 364334-87-2P 364334-89-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of heteroarylpyrimidines as CDK-inhibiting antiproliferative and anticancer agents)

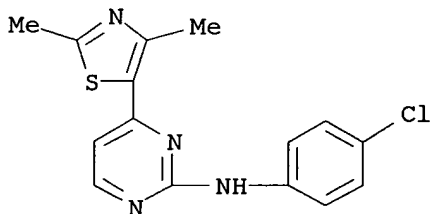
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(CA INDEX NAME)



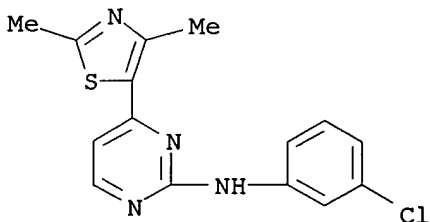
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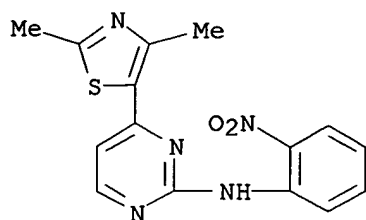
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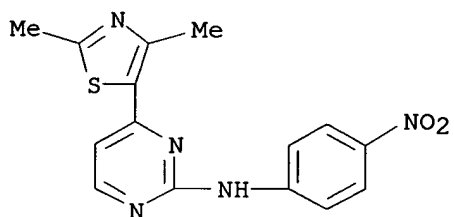
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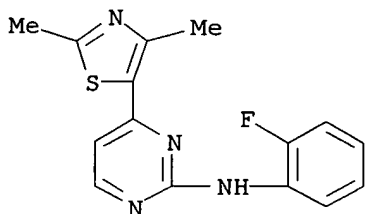
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(CA INDEX NAME)



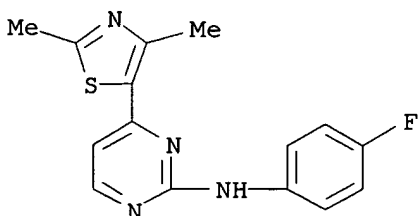
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(CA INDEX NAME)



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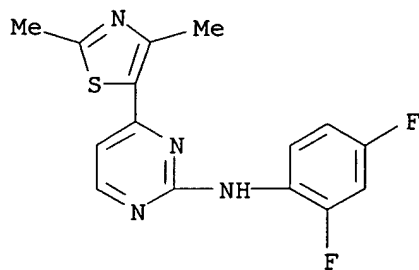
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)- (9CI)
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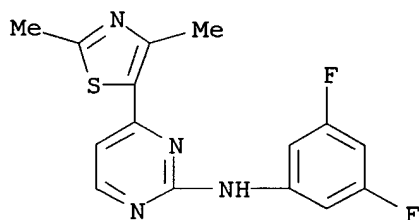
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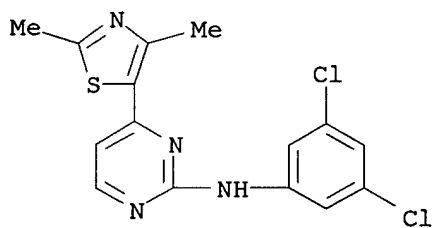
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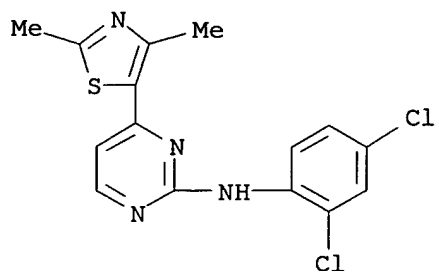
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(9CI) (CA INDEX NAME)

RN 364333-92-6 CAPLUS

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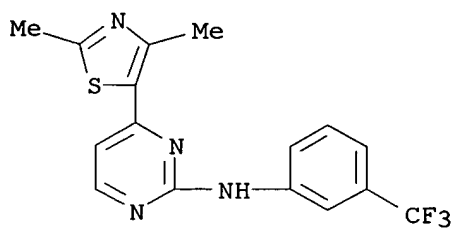
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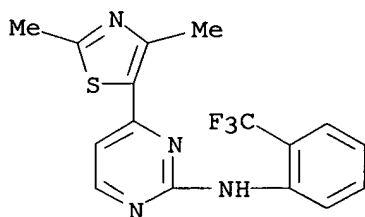
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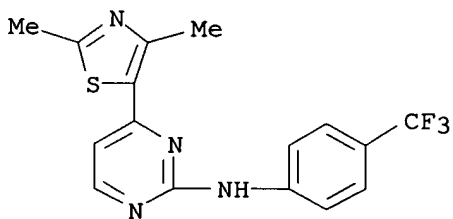
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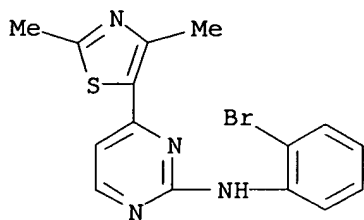


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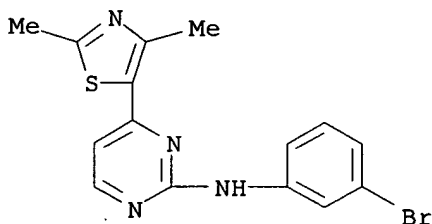
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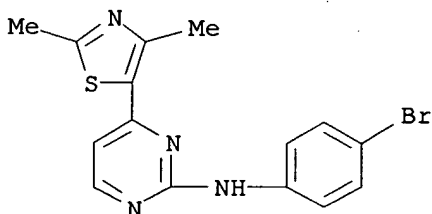
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RN 364333-98-2 CAPLUS

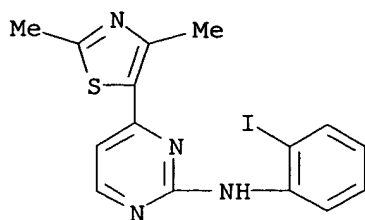
CN 2-Pyrimidinamine, N-(3-bromophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI)
(CA INDEX NAME)

RN 364333-99-3 CAPLUS

CN 2-Pyrimidinamine, N-(4-bromophenyl)-4-(2,4-dimethyl-5-thiazolyl)- (9CI)
(CA INDEX NAME)

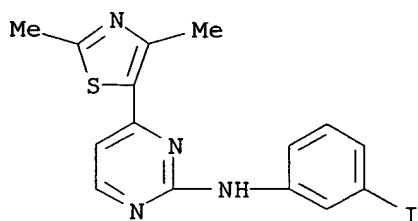
RN 364334-00-9 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(2-iodophenyl)- (9CI)
(CA INDEX NAME)



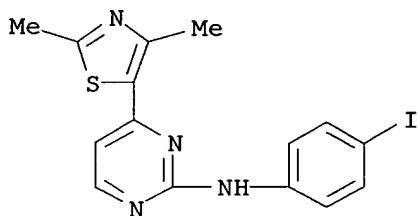
RN 364334-01-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-iodophenyl)- (9CI)
(CA INDEX NAME)



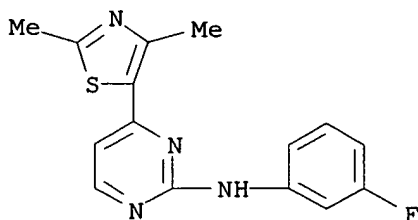
RN 364334-02-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-iodophenyl)- (9CI)
(CA INDEX NAME)



RN 364334-04-3 CAPLUS

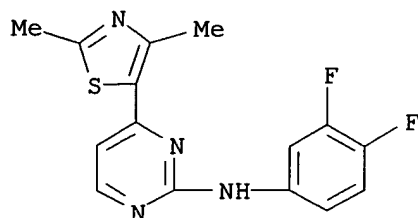
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-fluorophenyl)- (9CI)
(CA INDEX NAME)



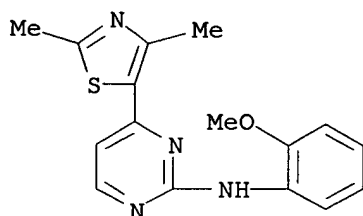
RN 364334-05-4 CAPLUS

CN 2-Pyrimidinamine, N-(3,4-difluorophenyl)-4-(2,4-dimethyl-5-thiazolyl)-

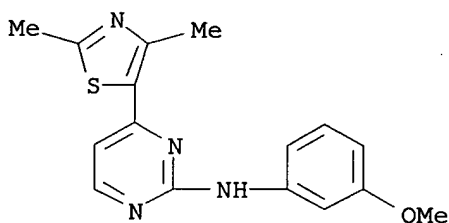
(9CI) (CA INDEX NAME)



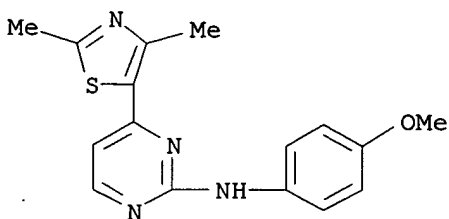
RN 364334-06-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(2-methoxyphenyl)- (9CI)
(CA INDEX NAME)

RN 364334-07-6 CAPLUS

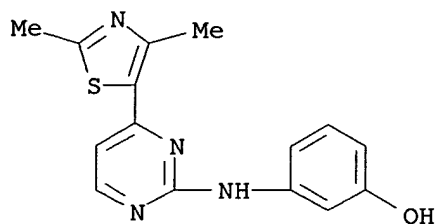
CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-methoxyphenyl)- (9CI)
(CA INDEX NAME)

RN 364334-08-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-methoxyphenyl)- (9CI)
(CA INDEX NAME)

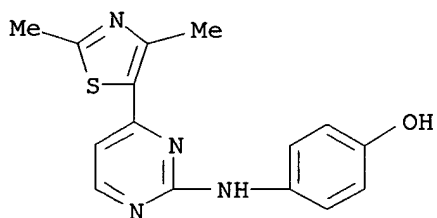
RN 364334-09-8 CAPLUS

CN Phenol, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



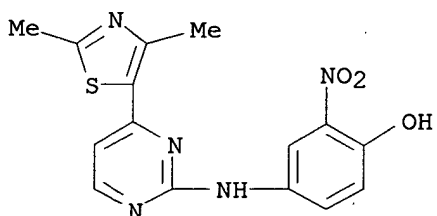
RN 364334-10-1 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



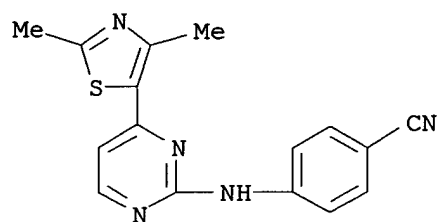
RN 364334-14-5 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-nitro- (9CI) (CA INDEX NAME)



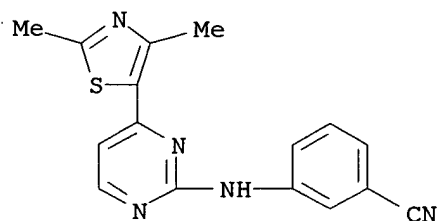
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CN Benzonitrile, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



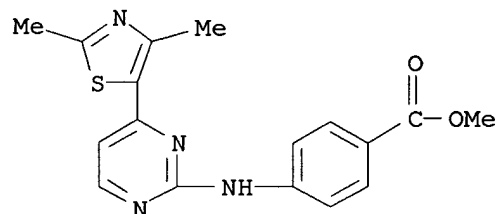
RN 364334-18-9 CAPLUS

CN Benzonitrile, 3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)



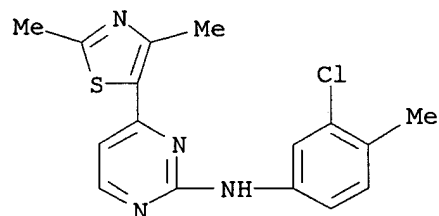
RN 364334-19-0 CAPLUS

CN Benzoic acid, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-,
methyl ester (9CI) (CA INDEX NAME)



RN 364334-20-3 CAPLUS

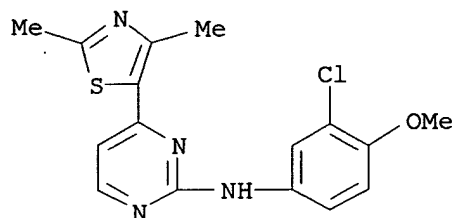
CN 2-Pyrimidinamine, N-(3-chloro-4-methylphenyl)-4-(2,4-dimethyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)



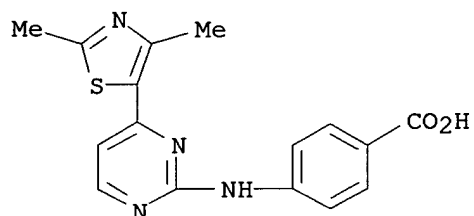
RN 364334-21-4 CAPLUS

CN 2-Pyrimidinamine, N-(3-chloro-4-methoxyphenyl)-4-(2,4-dimethyl-5-

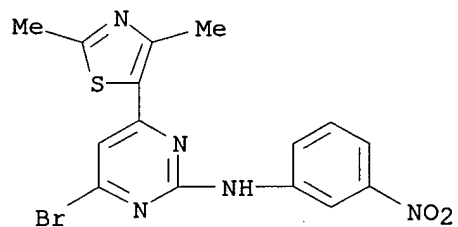
thiazolyl)- (9CI) (CA INDEX NAME)



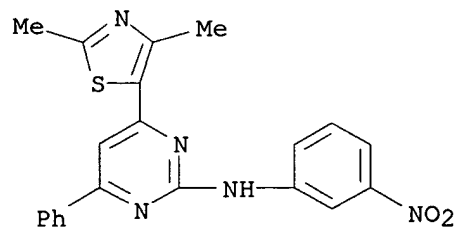
RN 364334-22-5 CAPLUS

CN Benzoic acid, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)

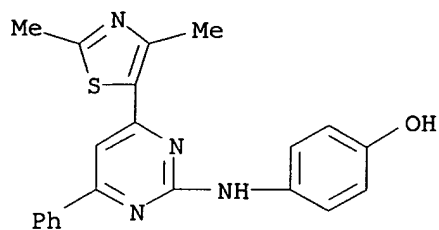
RN 364334-23-6 CAPLUS

CN 2-Pyrimidinamine, 4-bromo-6-(2,4-dimethyl-5-thiazolyl)-N-(3-nitrophenyl)-
(9CI) (CA INDEX NAME)

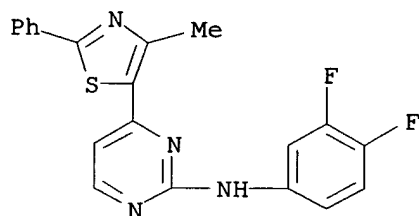
RN 364334-24-7 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(3-nitrophenyl)-6-phenyl-
(9CI) (CA INDEX NAME)

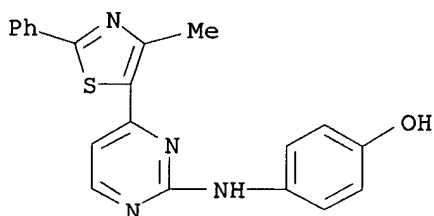
RN 364334-25-8 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-6-phenyl-2-pyrimidinyl]amino]-
(9CI) (CA INDEX NAME)

RN 364334-26-9 CAPLUS

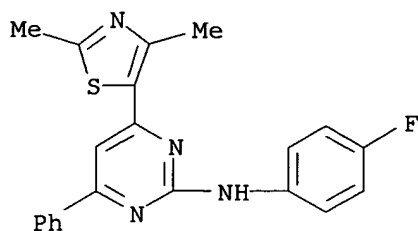
CN 2-Pyrimidinamine, N-(3,4-difluorophenyl)-4-(4-methyl-2-phenyl-5-thiazolyl)-
(9CI) (CA INDEX NAME)

RN 364334-27-0 CAPLUS

CN Phenol, 4-[[4-(4-methyl-2-phenyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI)
(CA INDEX NAME)

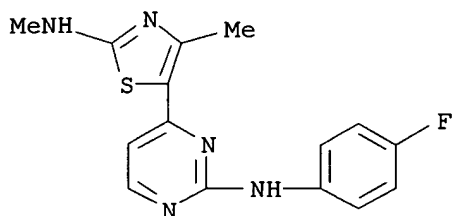
RN 364334-28-1 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)-6-phenyl-
(9CI) (CA INDEX NAME)



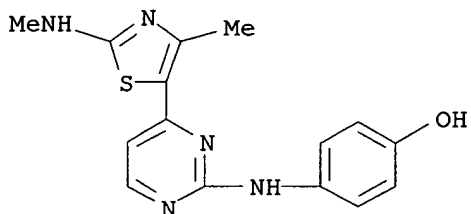
RN 364334-29-2 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



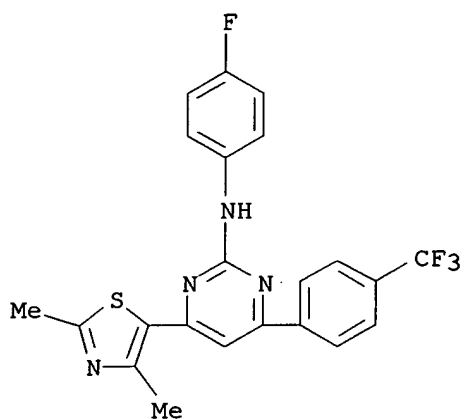
RN 364334-30-5 CAPLUS

CN Phenol, 4-[[4-[4-methyl-2-(methylamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



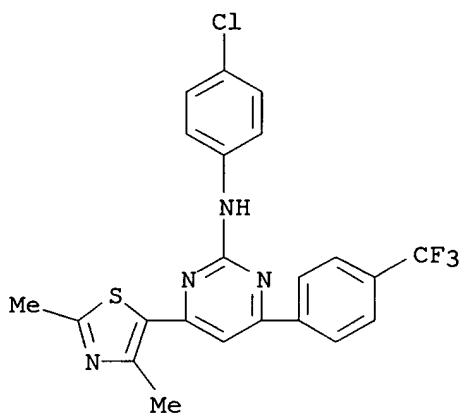
RN 364334-31-6 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



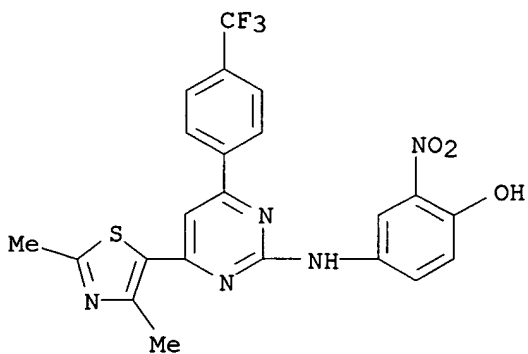
RN 364334-32-7 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-(2,4-dimethyl-5-thiazolyl)-6-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



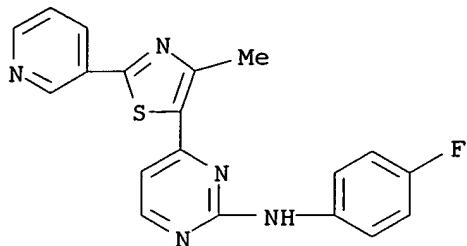
RN 364334-33-8 CAPLUS

CN Phenol, 4-[[4-(2,4-dimethyl-5-thiazolyl)-6-[4-(trifluoromethyl)phenyl]-2-pyrimidinyl]amino]-2-nitro- (9CI) (CA INDEX NAME)



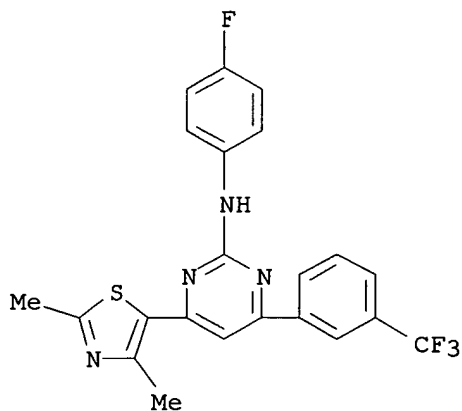
RN 364334-34-9 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]- (9CI) (CA INDEX NAME)



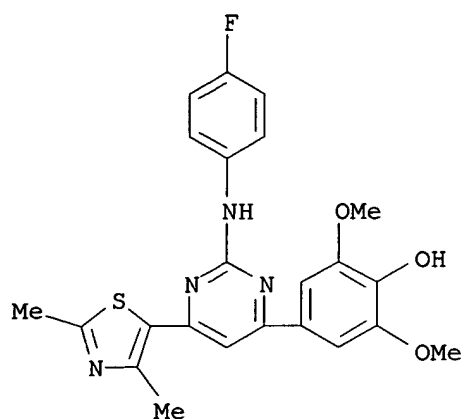
RN 364334-35-0 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(4-fluorophenyl)-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



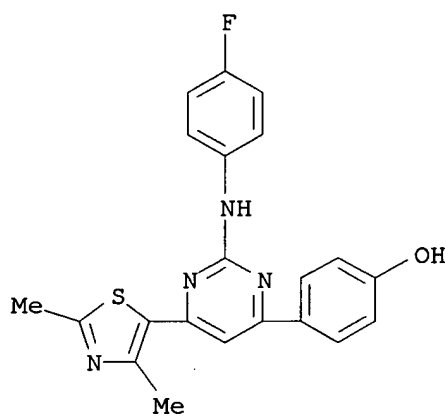
RN 364334-36-1 CAPLUS

CN Phenol, 4-[6-(2,4-dimethyl-5-thiazolyl)-2-[(4-fluorophenyl)amino]-4-pyrimidinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



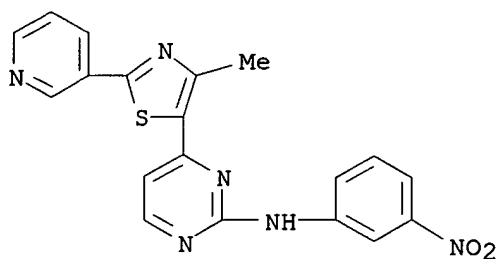
RN 364334-37-2 CAPLUS

CN Phenol, 4-[6-(2,4-dimethyl-5-thiazolyl)-2-[(4-fluorophenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



RN 364334-38-3 CAPLUS

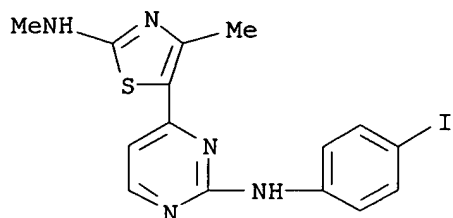
CN 2-Pyrimidinamine, 4-[4-methyl-2-(3-pyridinyl)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 364334-39-4 CAPLUS

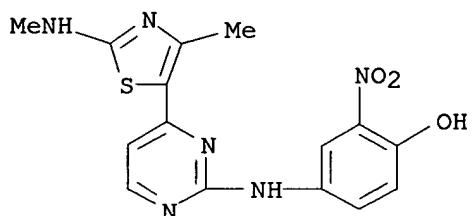
CN 2-Pyrimidinamine, N-(4-iodophenyl)-4-[4-methyl-2-(methyamino)-5-(3-pyridinyl)-2-thiazolyl]pyrimidine

thiazolyl]- (9CI) (CA INDEX NAME)



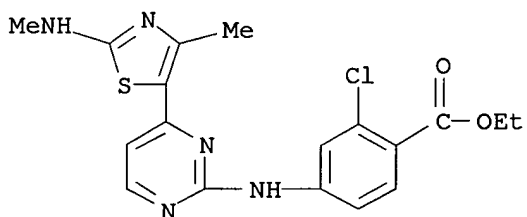
RN 364334-41-8 CAPLUS

CN Phenol, 4-[[4-[4-methyl-2-(methylanino)-5-thiazolyl]-2-pyrimidinyl]amino]-2-nitro- (9CI) (CA INDEX NAME)



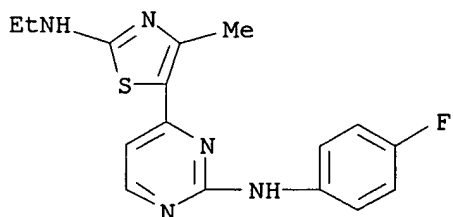
RN 364334-42-9 CAPLUS

CN Benzoic acid, 2-chloro-4-[[4-[4-methyl-2-(methylanino)-5-thiazolyl]-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



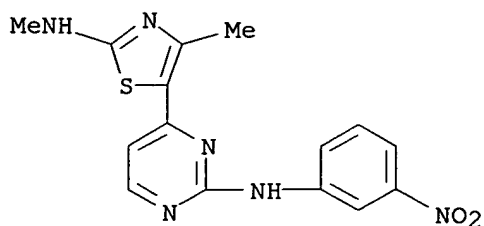
RN 364334-43-0 CAPLUS

CN 2-Pyrimidinamine, 4-[2-(ethylamino)-4-methyl-5-thiazolyl]-N-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



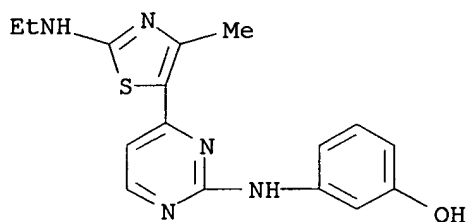
RN 364334-44-1 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



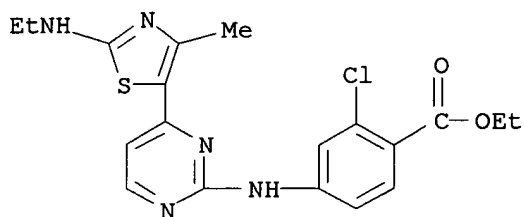
RN 364334-45-2 CAPLUS

CN Phenol, 3-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



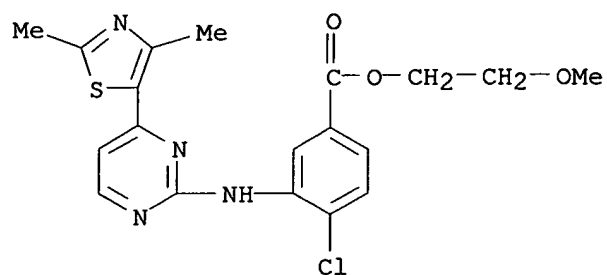
RN 364334-46-3 CAPLUS

CN Benzoic acid, 2-chloro-4-[[4-[2-(ethylamino)-4-methyl-5-thiazolyl]-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



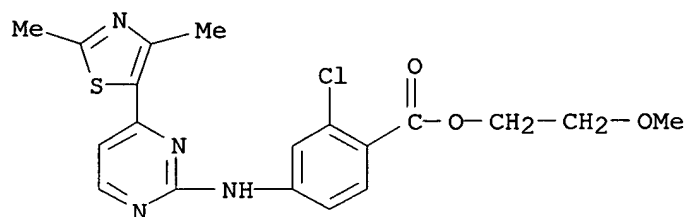
RN 364334-47-4 CAPLUS

CN Benzoic acid, 4-chloro-3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



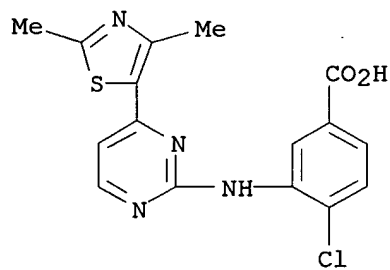
RN 364334-48-5 CAPLUS

CN Benzoic acid, 2-chloro-4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



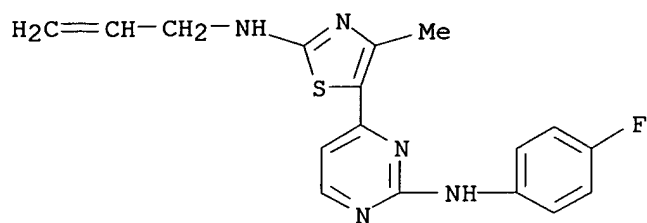
RN 364334-49-6 CAPLUS

CN Benzoic acid, 4-chloro-3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



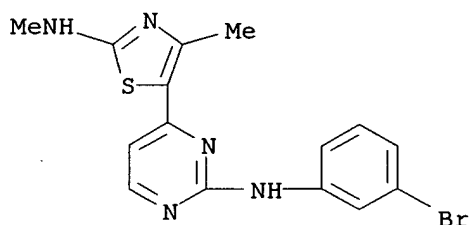
RN 364334-51-0 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[4-methyl-2-(2-propenylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



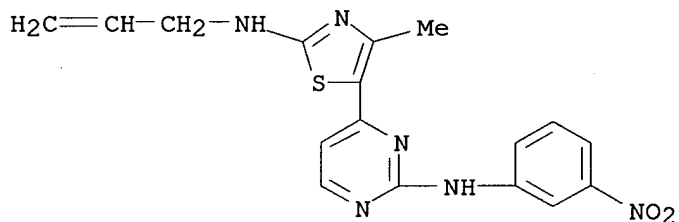
RN 364334-52-1 CAPLUS

CN 2-Pyrimidinamine, N-(3-bromophenyl)-4-[4-methyl-2-(methyamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



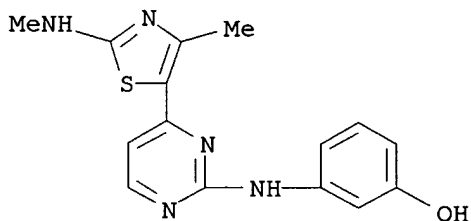
RN 364334-53-2 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(2-propenylamino)-5-thiazolyl]-N-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 364334-54-3 CAPLUS

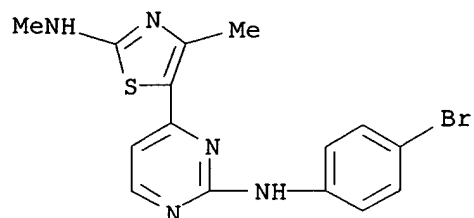
CN Phenol, 3-[[4-[4-methyl-2-(methyamino)-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 364334-55-4 CAPLUS

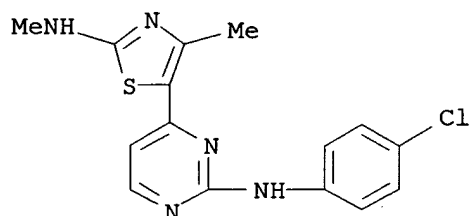
CN 2-Pyrimidinamine, N-(4-bromophenyl)-4-[4-methyl-2-(methyamino)-5-

thiazolyl]- (9CI) (CA INDEX NAME)



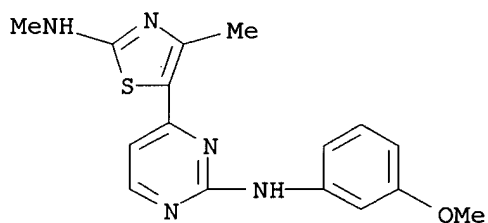
RN 364334-56-5 CAPLUS

CN 2-Pyrimidinamine, N-(4-chlorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



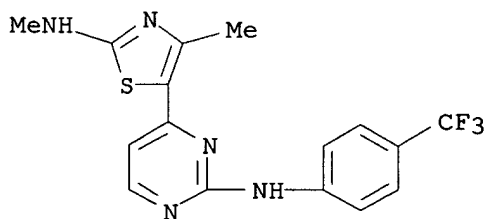
RN 364334-57-6 CAPLUS

CN 2-Pyrimidinamine, N-(3-methoxyphenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



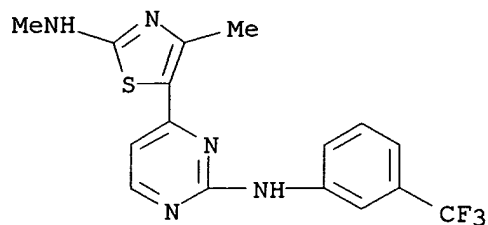
RN 364334-58-7 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



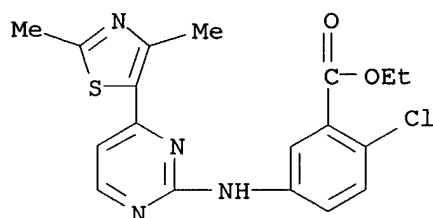
RN 364334-59-8 CAPLUS

CN 2-Pyrimidinamine, 4-[4-methyl-2-(methylamino)-5-thiazolyl]-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



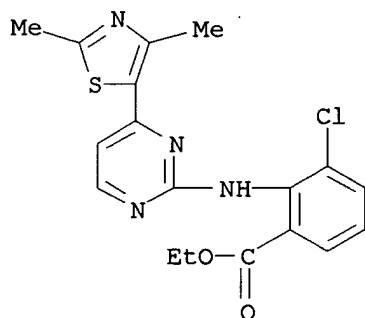
RN 364334-60-1 CAPLUS

CN Benzoic acid, 2-chloro-5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



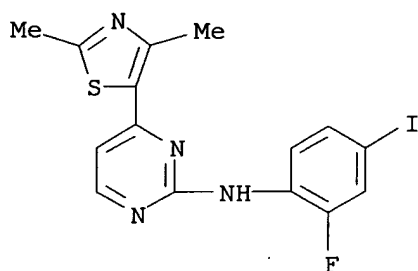
RN 364334-61-2 CAPLUS

CN Benzoic acid, 3-chloro-2-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



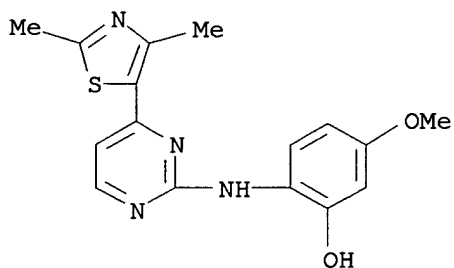
RN 364334-62-3 CAPLUS

CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-(2-fluoro-4-iodophenyl)- (9CI) (CA INDEX NAME)



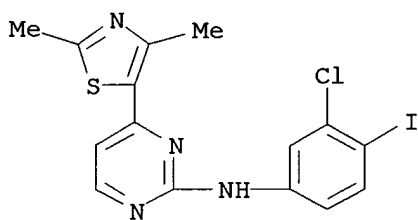
RN 364334-63-4 CAPLUS

CN Phenol, 2-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-5-methoxy-(9CI) (CA INDEX NAME)



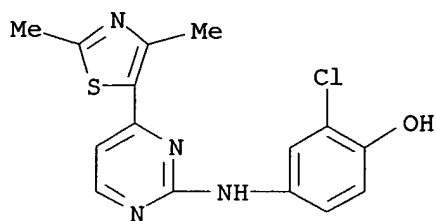
RN 364334-64-5 CAPLUS

CN 2-Pyrimidinamine, N-(3-chloro-4-iodophenyl)-4-(2,4-dimethyl-5-thiazolyl)-(9CI) (CA INDEX NAME)



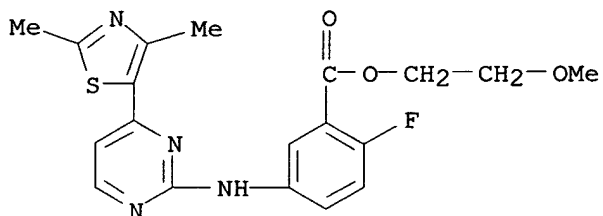
RN 364334-66-7 CAPLUS

CN Phenol, 2-chloro-4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-5-methoxy-(9CI) (CA INDEX NAME)



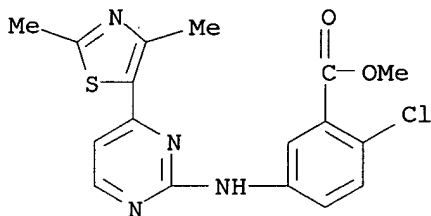
RN 364334-67-8 CAPLUS

CN Benzoic acid, 5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-2-fluoro-, 2-methoxyethyl ester (9CI) (CA INDEX NAME)



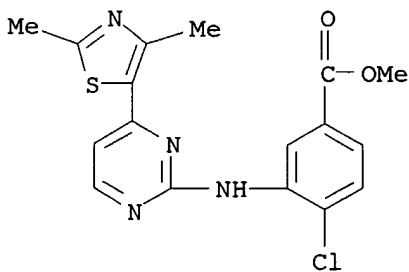
RN 364334-68-9 CAPLUS

CN Benzoic acid, 2-chloro-5-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

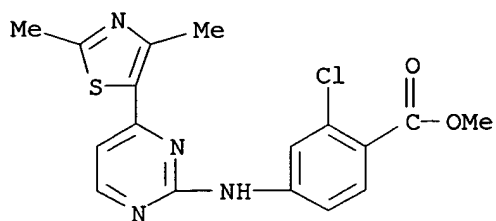


RN 364334-69-0 CAPLUS

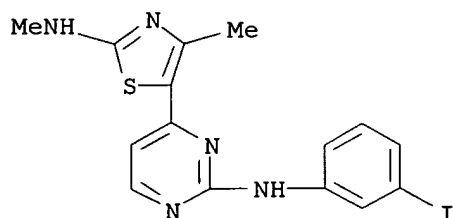
CN Benzoic acid, 4-chloro-3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



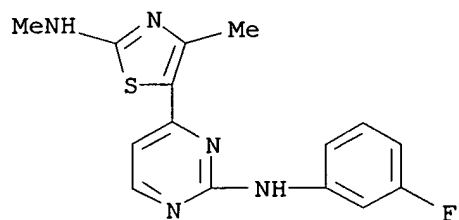
RN 364334-70-3 CAPLUS
 CN Benzoic acid, 2-chloro-4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



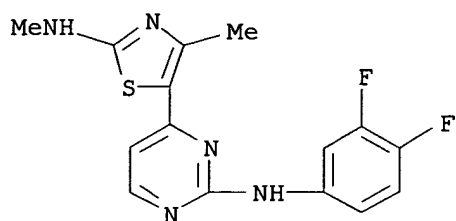
RN 364334-71-4 CAPLUS
 CN 2-Pyrimidinamine, N-(3-iodophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



RN 364334-72-5 CAPLUS
 CN 2-Pyrimidinamine, N-(3-fluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)

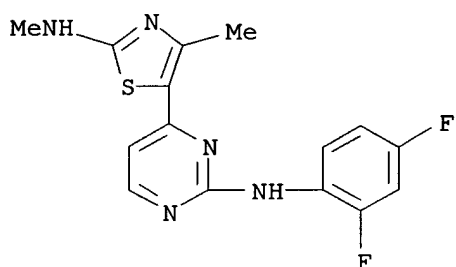


RN 364334-73-6 CAPLUS
 CN 2-Pyrimidinamine, N-(3,4-difluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



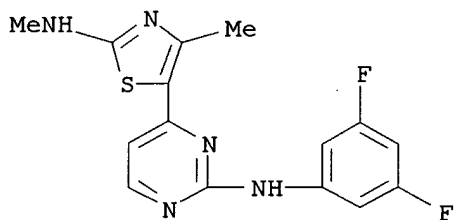
RN 364334-74-7 CAPLUS

CN 2-Pyrimidinamine, N-(2,4-difluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



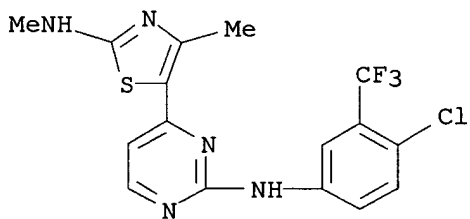
RN 364334-75-8 CAPLUS

CN 2-Pyrimidinamine, N-(3,5-difluorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



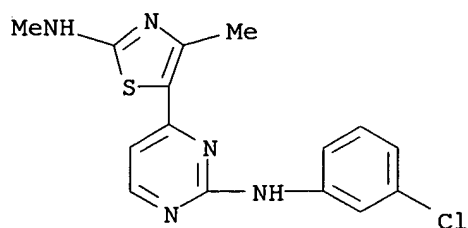
RN 364334-76-9 CAPLUS

CN 2-Pyrimidinamine, N-[4-chloro-3-(trifluoromethyl)phenyl]-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



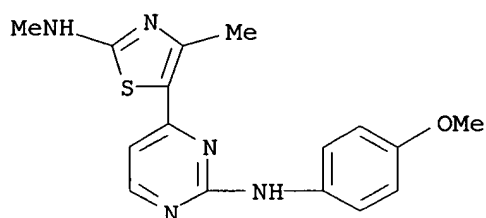
RN 364334-77-0 CAPLUS

CN 2-Pyrimidinamine, N-(3-chlorophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



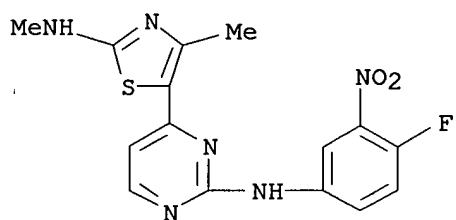
RN 364334-78-1 CAPLUS

CN 2-Pyrimidinamine, N-(4-methoxyphenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



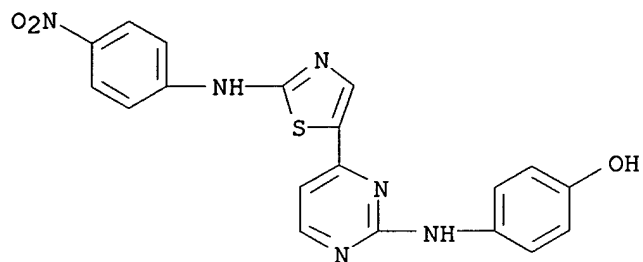
RN 364334-79-2 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluoro-3-nitrophenyl)-4-[4-methyl-2-(methylamino)-5-thiazolyl]- (9CI) (CA INDEX NAME)



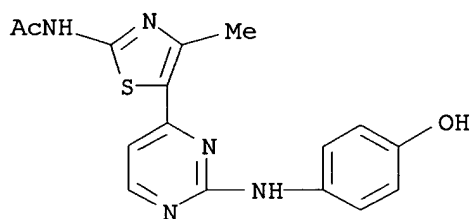
RN 364334-80-5 CAPLUS

CN Phenol, 4-[[4-[2-[(4-nitrophenyl)amino]-5-thiazolyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



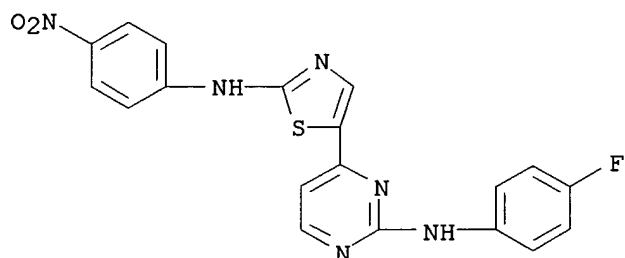
RN 364334-81-6 CAPLUS

CN Acetamide, N-[5-[2-[(4-hydroxyphenyl)amino]-4-pyrimidinyl]-4-methyl-2-thiazolyl]- (9CI) (CA INDEX NAME)



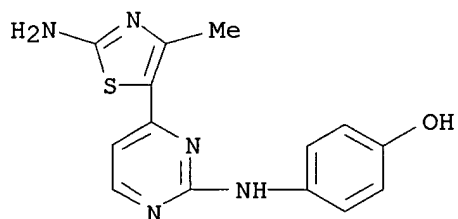
RN 364334-82-7 CAPLUS

CN 2-Pyrimidinamine, N-(4-fluorophenyl)-4-[2-[(4-nitrophenyl)amino]-5-thiazolyl]- (9CI) (CA INDEX NAME)

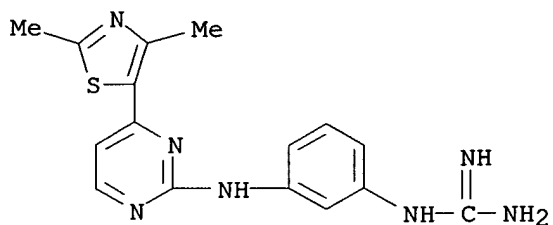


RN 364334-83-8 CAPLUS

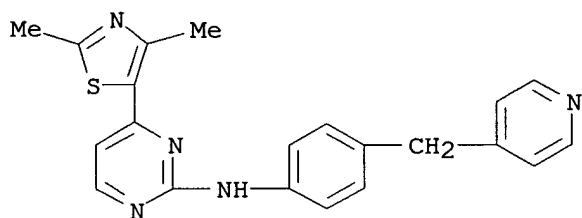
CN Phenol, 4-[[4-(2-amino-4-methyl-5-thiazolyl)-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



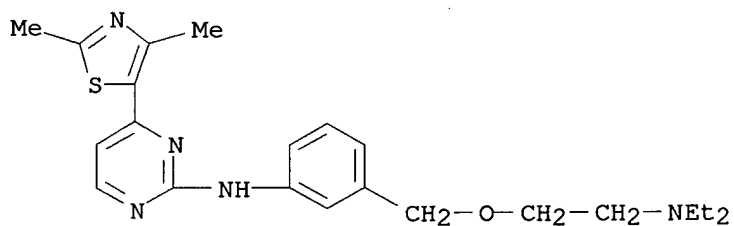
RN 364334-84-9 CAPLUS
 CN Guanidine, [3-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]phenyl]-
 (9CI) (CA INDEX NAME)



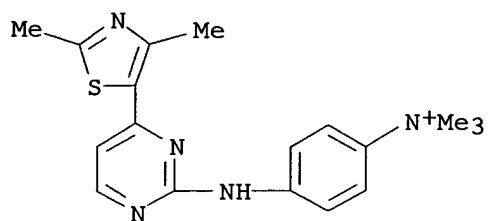
RN 364334-86-1 CAPLUS
 CN 2-Pyrimidinamine, 4-(2,4-dimethyl-5-thiazolyl)-N-[4-(4-pyridinylmethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 364334-87-2 CAPLUS
 CN 2-Pyrimidinamine, N-[3-[[2-(diethylamino)ethoxy]methyl]phenyl]-4-(2,4-dimethyl-5-thiazolyl)- (9CI) (CA INDEX NAME)



RN 364334-89-4 CAPLUS
 CN Benzenaminium, 4-[[4-(2,4-dimethyl-5-thiazolyl)-2-pyrimidinyl]amino]-N,N,N-trimethyl- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2000:911230 CAPLUS
 DN 134:71598
 TI Preparation of 2-arylamino-5-cyanopyrimidines as inhibitors of KDR kinase and/or FGFR kinase.
 IN Batchelor, Mark James; Moffat, David Festus Charles; Davis, Jeremy Martin; Hutchings, Martin Clive
 PA Celltech Chiroscience Limited, UK
 SO PCT Int. Appl., 102 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | WO 2000078731 | A1 | 20001228 | WO 2000-GB2382 | 20000619 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 6579983 | B1 | 20030617 | US 2000-596952 | 20000616 |
| | CA 2375182 | AA | 20001228 | CA 2000-2375182 | 20000619 |
| | BR 2000011770 | A | 20020305 | BR 2000-11770 | 20000619 |
| | EP 1187816 | A1 | 20020320 | EP 2000-940569 | 20000619 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| | DE 10084704 | T | 20020529 | DE 2000-10084704 | 20000619 |
| | GB 2369360 | A1 | 20020529 | GB 2001-30563 | 20000619 |
| | JP 2003502406 | T2 | 20030121 | JP 2001-504897 | 20000619 |
| | ES 2188429 | A1 | 20030616 | ES 2001-50085 | 20000619 |
| | ES 2188429 | B2 | 20050616 | | |
| | AU 778533 | B2 | 20041209 | AU 2000-55488 | 20000619 |
| | BG 106116 | A | 20020731 | BG 2001-106116 | 20011119 |
| | ZA 2001009841 | A | 20020429 | ZA 2001-9841 | 20011129 |
| | NO 2001006162 | A | 20020218 | NO 2001-6162 | 20011217 |
| | US 2002147339 | A1 | 20021010 | US 2002-151518 | 20020520 |
| | HK 1048815 | A1 | 20050429 | HK 2003-101022 | 20030212 |
| | US 2004180914 | A1 | 20040916 | US 2004-812293 | 20040329 |
| PRAI | GB 1999-14258 | A | 19990618 | | |
| | US 2000-596952 | A1 | 20000616 | | |
| | WO 2000-GB2382 | W | 20000619 | | |
| | US 2002-151518 | B1 | 20020520 | | |

OS MARPAT 134:71598

AB Title compds. [I; Ar = (substituted) aryl, heteroaryl; R1 = H, alkyl; R2 = X1R3; X1 = bond, linker atom or group; R3 = (substituted) aliphatic, cycloaliph., heteroaliph., heterocycloaliph., aromatic or heteroarom. group] and the salts, solvates, hydrates and N-oxides thereof, were prepared Thus, 3,4,5-trimethoxyphenylguanidinium nitrate (preparation given), 1-phenyl-2-cyano-3-dimethylaminopropen-1-one, and NaOH were refluxed in EtOH to give 5-cyano-4-phenyl-N-(3,4,5-trimethoxyphenyl)pyrimidin-2-amine. I inhibited KDR kinase and FGFR kinase with IC50 ≤ 1 μM.

IT 314268-96-7P 314268-97-8P 314268-98-9P
 314268-99-0P 314269-00-6P 314269-01-7P

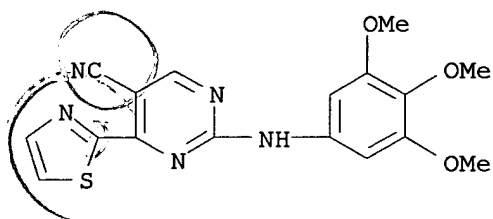
314269-02-8P 314269-03-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-aryl-amino-5-cyanopyrimidines as inhibitors of KDR kinase and/or FGFR kinase)

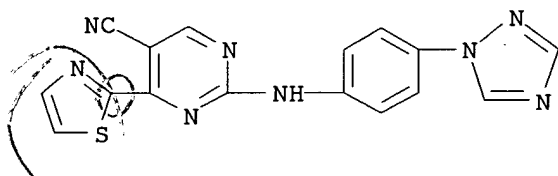
RN 314268-96-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 4-(2-thiazolyl)-2-[(3,4,5-trimethoxyphenyl)amino]- (9CI) (CA INDEX NAME)



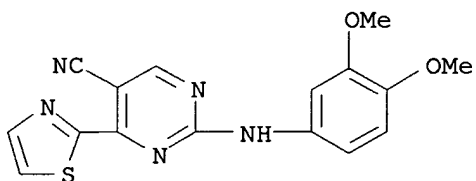
RN 314268-97-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 4-(2-thiazolyl)-2-[[4-(1H-1,2,4-triazol-1-yl)phenyl]amino]- (9CI) (CA INDEX NAME)



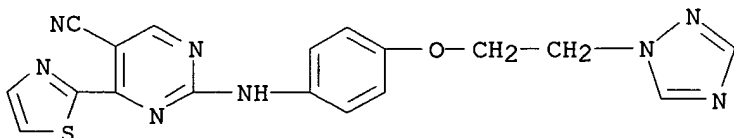
RN 314268-98-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-[(3,4-dimethoxyphenyl)amino]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 314268-99-0 CAPLUS

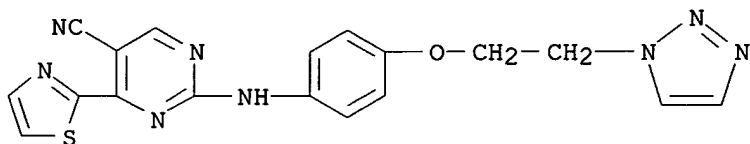
CN 5-Pyrimidinecarbonitrile, 4-(2-thiazolyl)-2-[[4-[2-(1H-1,2,4-triazol-1-yl)ethoxy]phenyl]amino]- (9CI) (CA INDEX NAME)



RN 314269-00-6 CAPLUS

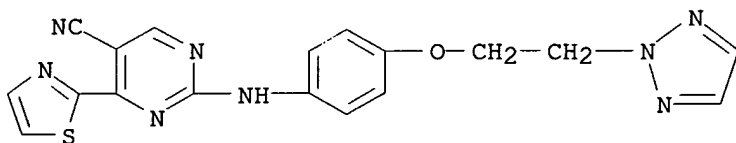
CN 5-Pyrimidinecarbonitrile, 4-(2-thiazolyl)-2-[[4-[2-(1H-1,2,3-triazol-1-

yl)ethoxy]phenyl]amino]- (9CI) (CA INDEX NAME)



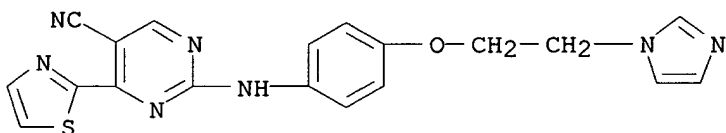
RN 314269-01-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 4-(2-thiazolyl)-2-[[4-[2-(2H-1,2,3-triazol-2-yl)ethoxy]phenyl]amino]- (9CI) (CA INDEX NAME)



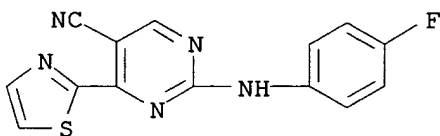
RN 314269-02-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-[[4-[2-(1H-imidazol-1-yl)ethoxy]phenyl]amino]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RN 314269-03-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-[(4-fluorophenyl)amino]-4-(2-thiazolyl)- (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1997:457074 CAPLUS
 DN 127:81461
 TI Preparation of substituted 2-anilinopyrimidines as protein kinase inhibitors
 IN Davis, Peter David; Moffat, David Festus Charles; Davis, Jeremy Martin; Hutchings, Martin Clive
 PA Celltech Therapeutics Limited, UK; Davis, Peter David; Moffat, David Festus Charles; Davis, Jeremy Martin; Hutchings, Martin Clive
 SO PCT Int. Appl., 83 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9719065 | A1 | 19970529 | WO 1996-GB2854 | 19961120 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | US 5958935 | A | 19990928 | US 1996-753041 | 19961119 |
| | AU 9676314 | A1 | 19970611 | AU 1996-76314 | 19961120 |
| | EP 862560 | A1 | 19980909 | EP 1996-939171 | 19961120 |
| | EP 862560 | B1 | 20030402 | | |
| | R: CH, DE, ES, FR, GB, IT, LI | | | | |
| | ES 2195020 | T3 | 20031201 | ES 1996-939171 | 19961120 |
| | US 6235746 | B1 | 20010522 | US 1999-249760 | 19990216 |
| PRAI | GB 1995-23675 | A | 19951120 | | |
| | US 1996-753041 | A3 | 19961119 | | |
| | WO 1996-GB2854 | W | 19961120 | | |

OS MARPAT 127:81461

AB The title compds. [I; R1 = H, halo, (un)substituted alkyl, etc.; R2, R3 = (un)substituted alkyl, alkenyl, alkynyl; R4 = H, alkyl; R5 = H, (un)substituted alkyl, alkenyl, alkynyl; R6 = H, halo, (un)substituted NH2, etc.; X = a direct bond, a linker atom, group; R7 = (un)substituted aliphatic, cycloaliph., heteroaliph., heterocycloaliph., aromatic or heteroarom. group], selective protein kinase inhibitors, particularly the kinases p56lck, p59fyn, ZAP-70 and protein kinase C, and useful in the prophylaxis and treatment of immune diseases, hyperproliferative disorders and other diseases in which inappropriate protein kinase action is believed to have a role, were prepared Thus, treatment of 4-[3-(3-phthalimidopropoxy)phenyl]-N-(3,4,5-trimethoxyphenyl)-2-pyrimidineamine with N2H4.H2O in EtOH afforded I.2HCl [R1 = MeO; R2, R3 = Me; R4-R6 = H; R7 = H2N(CH2)3; X = O] which showed IC50 of 22 nM in the protein kinase assay.

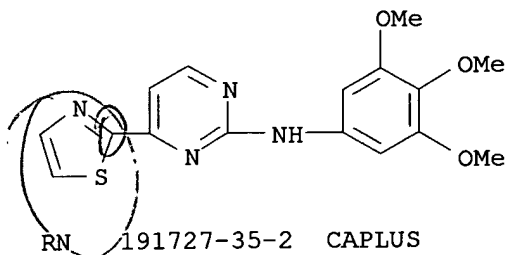
IT 191727-12-5P 191727-35-2P 191727-40-9P

191727-46-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of substituted 2-anilinopyrimidines as protein kinase inhibitors)

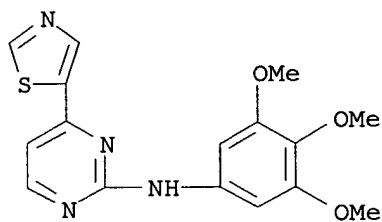
RN 191727-12-5 CAPLUS

CN 2-Pyrimidinamine, 4-(2-thiazolyl)-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



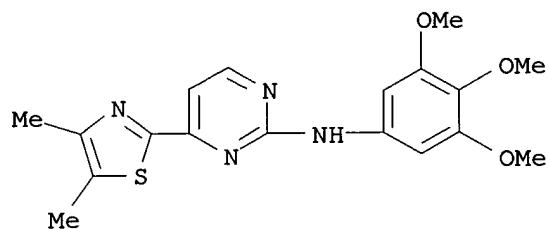
RN 191727-35-2 CAPLUS

CN 2-Pyrimidinamine, 4-(5-thiazolyl)-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



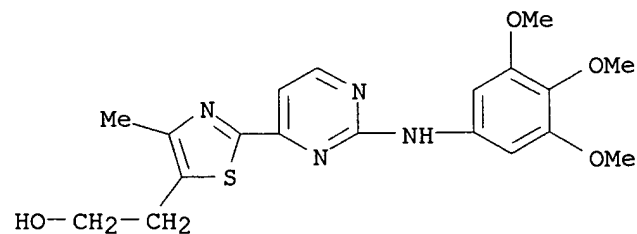
RN 191727-40-9 CAPLUS

CN 2-Pyrimidinamine, 4-(4,5-dimethyl-2-thiazolyl)-N-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)

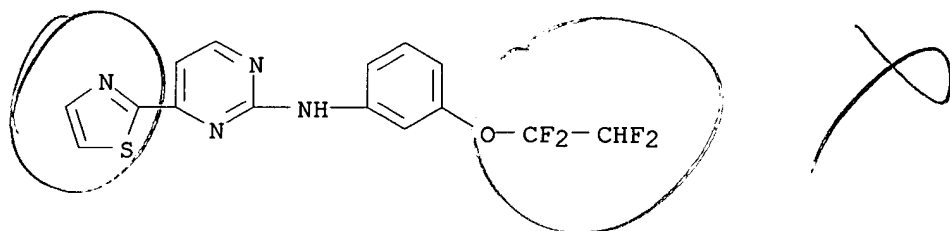


RN 191727-46-5 CAPLUS

CN 5-Thiazoleethanol, 4-methyl-2-[2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1996:495435 CAPLUS
 DN 125:184908
 TI Phenylamino-pyrimidine (PAP) derivatives: a new class of potent and selective inhibitors of protein kinase C (PKC)
 AU Zimmermann, Juerg; Caravatti, Giorgio; Mett, Helmut; Meyer, Thomas; Mueller, Marcel; Lydon, Nicholas B.; Fabbro, Dorian
 CS CIBA Pharmaceuticals Div., Oncology Virology Res. Dep., Ciba-Geigy Limited, Basel, CH-4002, Switz.
 SO Archiv der Pharmazie (Weinheim, Germany) (1996), 329(7), 371-376
 CODEN: ARPMAS; ISSN: 0365-6233
 PB VCH
 DT Journal
 LA English
 AB Phenylamino-pyrimidines represent a novel class of inhibitors of protein kinase C with a high degree of selectivity vs. other serine/threonine and tyrosine kinases. Steady state kinetic anal. of N-(3-[1-imidazolyl]-phenyl)-4-(3-pyridyl)-2-pyrimidinamine, which showed potent inhibitory activity, revealed competitive kinetics relative to ATP. The adjacent H-bond acceptor of the pyrimidine moiety next to an H-bond donor of the phenylamine was found to be crucial for inhibitory activity. N-(3-Nitro-phenyl)-4-(3-pyridyl)-2-pyrimidinamine preferentially inhibited PKC- α (IC₅₀ = 0.79 μ M) and not the other subtypes tested. The inhibition consts. of PKC- α and the antiproliferative effect on T24 human bladder carcinoma cells showed a qual. correlation, although with some exceptions.
 IT **181065-62-3P**
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of phenylamino-pyrimidine derivs. as a new class of potent and selective inhibitors of protein kinase C)
 RN 181065-62-3 CAPLUS
 CN 2-Pyrimidinamine, N-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]-4-(2-thiazolyl)-(9CI) (CA INDEX NAME)



=> => d his

(FILE 'HOME' ENTERED AT 15:15:57 ON 25 JUN 2006)

FILE 'REGISTRY' ENTERED AT 15:16:02 ON 25 JUN 2006

L1 STRUCTURE UPLOADED

L2 31 S L1 SSS SAM

L3 1186 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 15:18:36 ON 25 JUN 2006

L4 29 S L3

FILE 'CAOLD' ENTERED AT 15:20:03 ON 25 JUN 2006

=> s l3

L5 0 L3

=> log y

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|---------------------|-------------|
| ENTRY | SESSION |
| FULL ESTIMATED COST | 0.44 318.02 |

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|---------------------|-------------|
| ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 -21.75 |

STN INTERNATIONAL LOGOFF AT 15:20:14 ON 25 JUN 2006